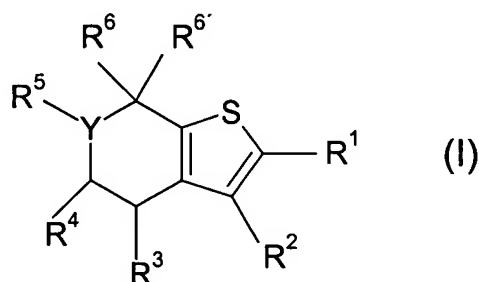


What is claimed is:

1. A method of treating a virally or bacterially induced disease comprising administering an effective amount of an inhibitor of a mycobacterial serine/threonine protein kinase to a patient in need thereof.
2. The method according to Claim 1, wherein said disease is a bacterially induced disease.
3. The method according to Claim 1, wherein said disease is a mycobacterial-induced infection.
4. The method according to Claim 3, wherein said mycobacterial-induced infection is tuberculosis, leprosy, or mycobacteria-induced meningitis.
5. The method according to Claim 3, wherein said mycobacterial-induced infection is caused by *Mycobacterium tuberculosis*, *M. bovis*, *M. africanum*, *M. leprae*, *M. abscessus*, *M. avium*, *M. celatum*, *M. chelonae*, *M. fortuitum*, *M. genavense*, *M. gordonae*, *M. haemophilum*, *M. intracellulare*, *M. kansii*, *M. malmoeense*, *M. marinum*, *M. scrofulaceum*, *M. simiae*, *M. szulgai*, *M. ulcerans* and/or *M. xenopi*.
6. The method according to Claim 5, wherein said mycobacterial-induced infection is a *Mycobacterium tuberculosis* infection.
7. The method according to Claim 1, wherein said mycobacterial serine/threonine protein kinase is selected from the group consisting of PknG, PknB, and PknH.
8. The method according to Claim 7, wherein said mycobacterial serine/threonine protein kinase is PknG.

9. The method according to Claim 7, wherein said mycobacterial serine/threonine protein kinase is PknB.
10. The method according to Claim 7, wherein said mycobacterial serine/threonine protein kinase is PknH.
11. The method according to Claim 1 or Claim 8, wherein said inhibitor is a 4,5,6,7-tetrahydrobenzo[b]thiophene compound having the following general formula (I):



wherein

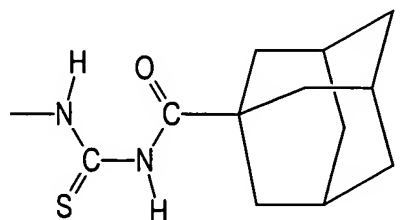
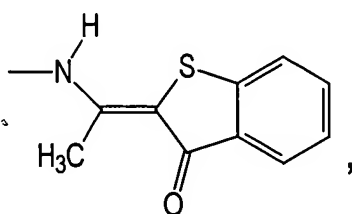
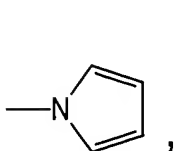
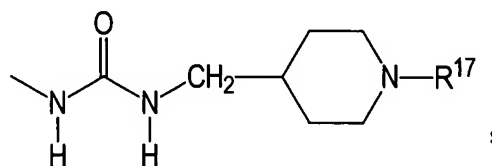
Y represents C or S;

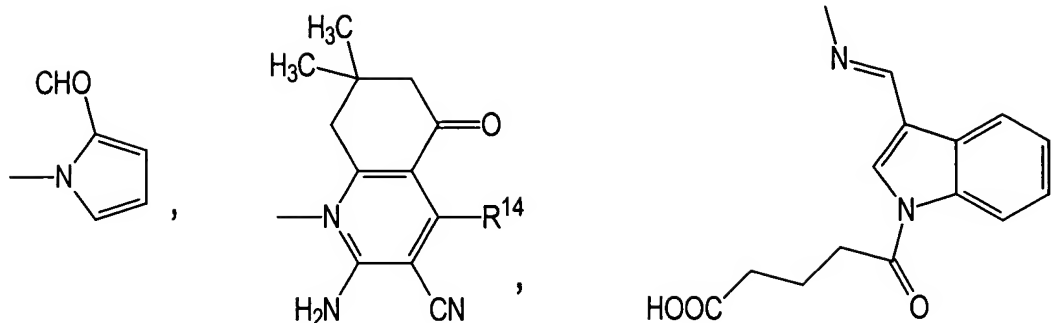
wherein

R<sup>1</sup> represents R<sup>2</sup>, -NH-CO-R<sup>16</sup>, -NH<sub>2</sub>, -N=CH-R<sup>15</sup>, -N=CH-R<sup>16</sup>, -NH-CH<sub>2</sub>-R<sup>14</sup>, -NH-CH<sub>2</sub>-R<sup>16</sup>, -NH-SO<sub>2</sub>-R<sup>14</sup>, -NH-CO-NH-R<sup>14</sup>, -NH-CS-NH-CH(CCl<sub>3</sub>)-NH-CO-R<sup>16</sup>,

-NH-CH(CCl<sub>3</sub>)-NH-CO-R<sup>12</sup>,

-NH-CS-NH-R<sup>12</sup>, -N=CH-R<sup>12</sup>,





$R^2$  represents  $-\text{COOR}^{12}$ ,  $-\text{CONR}^{12}\text{R}^{12'}$ ,  $-\text{CONR}^{12}\text{R}^{14}$ ,  $-\text{C}\equiv\text{N}$ ,  $-\text{COCOOR}^{12}$ ,  $-\text{COCH}_2\text{Cl}$ ,  $-\text{COCONHNH}_2$ ,

$R^3$ ,  $R^4$ ,  $R^5$  represent independently of each other  $-\text{R}^{11}$ ,  $-\text{R}^{12}$ ,  $-\text{R}^{12'}$ ,  $-\text{OR}^{12}$ ,  $-\text{SR}^{12}$ ,  $-\text{NO}_2$ ,  $-\text{CO}-\text{R}^{12}$ ,  $-\text{NO}$ ,  $-\text{N}_3$ ,  $-\text{CN}$ ,  $-\text{OCN}$ ,  $-\text{NCO}$ ,  $-\text{SCN}$ ,  $-\text{NCS}$ ,  $-\text{COOR}^{12}$ ,  $-\text{COCN}$ ,  $-\text{CONR}^{12}\text{R}^{12'}$ ,  $-\text{NR}^{12}\text{R}^{12'}$ ,  $-\text{SOR}^{12}$ ,  $-\text{SO}_2\text{R}^{12}$ ,  $-\text{SO}_3\text{R}^{12}$ ,  $-\text{CH}_2\text{OR}^{12}$ ;

in one case  $R^6$  represents  $-\text{R}^{11}$ ,  $-\text{R}^{12}$ ,  $-\text{R}^{12'}$ ,  $-\text{OR}^{12}$ ,  $-\text{SR}^{12}$ ,  $-\text{NO}_2$ ,  $-\text{CO}-\text{R}^{12}$ ,  $-\text{NO}$ ,  $-\text{N}_3$ ,  $-\text{CN}$ ,  $-\text{OCN}$ ,  $-\text{NCO}$ ,  $-\text{SCN}$ ,  $-\text{NCS}$ ,  $-\text{COOR}^{12}$ ,  $-\text{COCN}$ ,  $-\text{CONR}^{12}\text{R}^{12'}$ ,  $-\text{NR}^{12}\text{R}^{12'}$ ,  $-\text{SOR}^{12}$ ,  $-\text{SO}_2\text{R}^{12}$ ,  $-\text{SO}_3\text{R}^{12}$ , and  $R^{6'}$  is hydrogen;

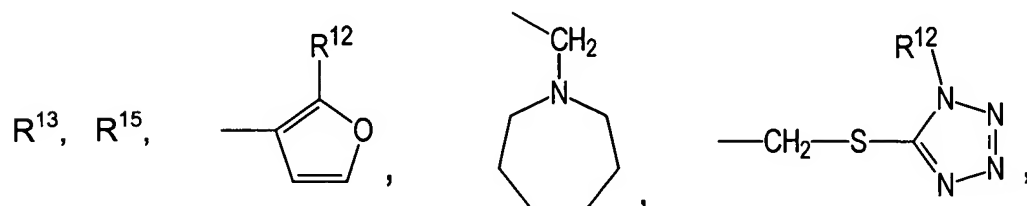
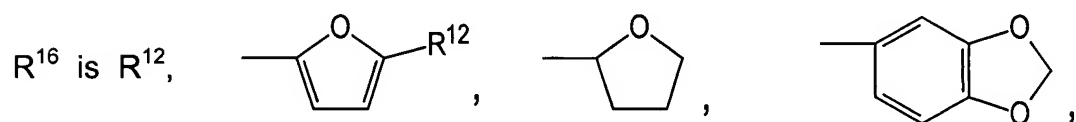
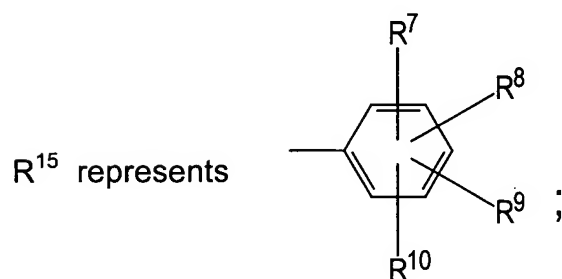
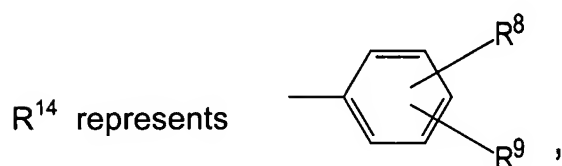
in the other case  $R^6$  and  $R^{6'}$  together represent a carbonyl oxygen or a oximo residue  $=\text{N}-\text{OH}$  or  $=\text{N}-\text{OOC}-\text{R}^{12}$ ;

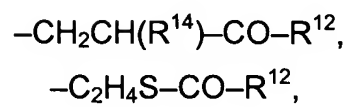
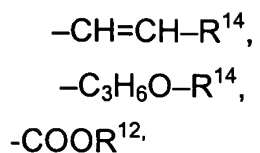
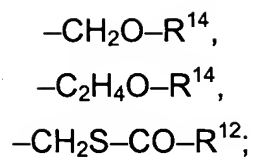
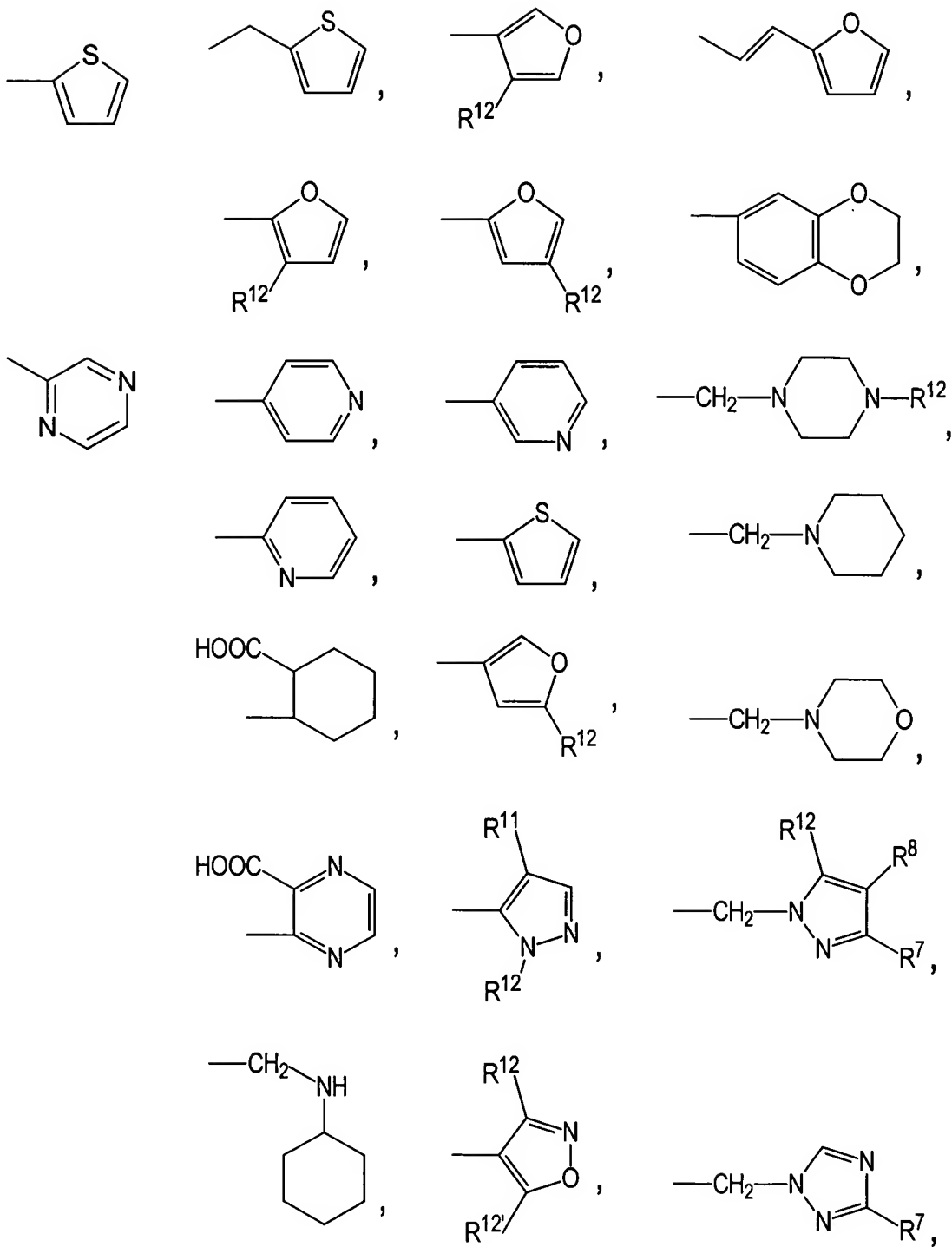
$R^7$ ,  $R^8$ ,  $R^9$ ,  $R^{10}$  represent independently of each other  $-\text{R}^{11}$ ,  $-\text{R}^{12}$ ,  $-\text{OR}^{12}$ ,  $-\text{SR}^{12}$ ,  $-\text{NO}_2$ ,  $-\text{CO}-\text{R}^{12}$ ,  $-\text{COOR}^{12}$ ,  $-\text{OOCR}^{16}$ ;

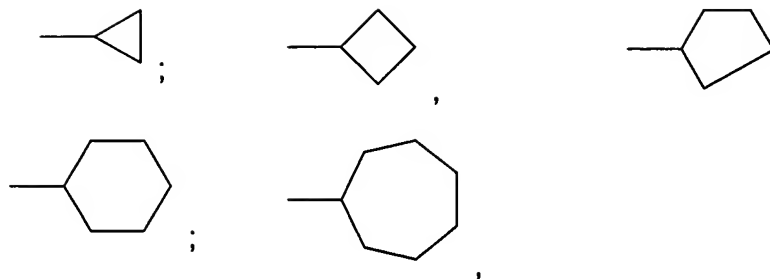
$R^{11}$  represents  $-\text{F}$ ,  $-\text{Cl}$ ,  $-\text{Br}$ ,  $-\text{I}$ ;

$R^{12}$ ,  $R^{12'}$  represent independently of each other  $-\text{H}$ ,  $-\text{CH}_3$ ,  $-\text{C}(\text{R}^{11})_3$ ,  $-\text{C}_2\text{H}_5$ ,  $-\text{C}_3\text{H}_7$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2-\text{CH}=\text{CH}_2$ ,  $-\text{CCH}_3=\text{CH}_2$ ,  $-\text{CH}=\text{C}(\text{CH}_3)_2$ ,  $-\text{CH}=\text{CH}-\text{CH}_3$ ,  $-\text{CH}=\text{CHC}_2\text{H}_5$ ,  $-\text{CH}(\text{CH}_3)\text{C}_2\text{H}_5$ ,  $-(\text{CH}_2)_n-\text{C}\equiv\text{C}-\text{R}^5$ ,  $-\text{C}_4\text{H}_9$ ,  $-\text{C}(\text{CH}_3)_3$ ,  $-\text{Ph}$ ,  $-\text{CH}_2-\text{R}^{15}$ ,  $-\text{C}_2\text{H}_4\text{OH}$  with  $n$  being an integer from 0-2;

$R^{13}$  represents  $-\text{CF}_2\text{CHF}_2$ ,  $-\text{C}_5\text{H}_{11}$ ,  $-\text{C}_6\text{H}_{11}$ ,  $-\text{C}_6\text{H}_{13}$ ,  $-\text{C}_7\text{H}_{15}$ ,  $-\text{C}_8\text{H}_{17}$ ,  $-\text{C}_9\text{H}_{19}$ ,  $-\text{C}_{10}\text{H}_{21}$ ,  $-\text{C}_{11}\text{H}_{23}$ ,  $-\text{C}_{12}\text{H}_{25}$ ,  $-\text{C}_{13}\text{H}_{27}$ ,  $-\text{CH}_2\text{SPh}$ ,  $-\text{CH}_2\text{R}^{11}$ ,  $-\text{C}_2\text{H}_4\text{R}^{11}$ ,  $-\text{C}_3\text{H}_6\text{R}^{11}$ ,  $-\text{C}_4\text{H}_8\text{R}^{11}$ ,  $-\text{C}_2\text{H}_4\text{Ph}$ ,  $-\text{CH}=\text{CH}-\text{COOR}^{12}$ ,  $-\text{CH}_2\text{COOR}^{12}$ ,  $-\text{C}_2\text{H}_4\text{COOR}^{12}$ ,  $-\text{C}_3\text{H}_6\text{COOR}^{12}$ ,  $-\text{CH}(\text{Ph})-\text{SPh}$ ,  $-\text{C}_3\text{H}_5$ ,  $-\text{CH}_2\text{CH}(\text{Ph})_2$ ,  $-\text{C}_4\text{H}_7$ ,  $-\text{C}_5\text{H}_9$ ,  $-\text{C}(\text{CH}_3)_2\text{CH}_2\text{R}^{11}$ ,  $-\text{CH}_2\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}(\text{R}^{11})\text{Ph}$ ,  $-\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{C}(\text{CH}_3)_3$ ,  $-\text{CH}(\text{C}_2\text{H}_5)-\text{C}_4\text{H}_9$ ,  $-\text{CH}(\text{R}^{11})_2$ ,  $-\text{CH}(\text{Ph})-\text{C}_2\text{H}_5$ ,  $-\text{CH}_2\text{C}(\text{CH}_3)_3$ ,

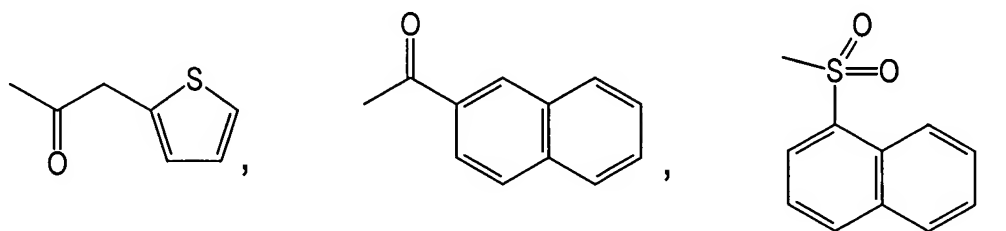




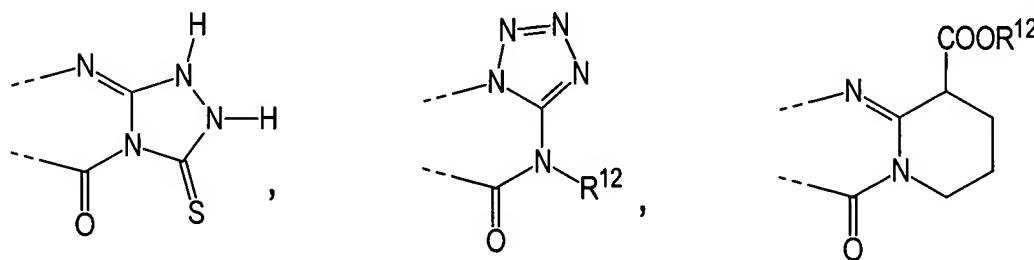


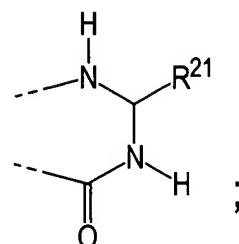
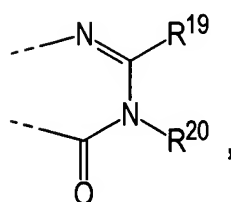
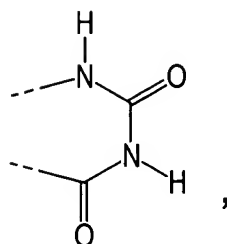
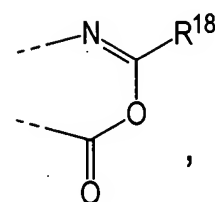
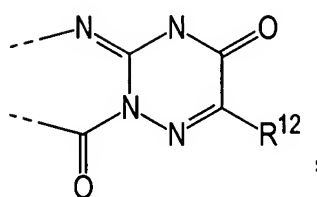
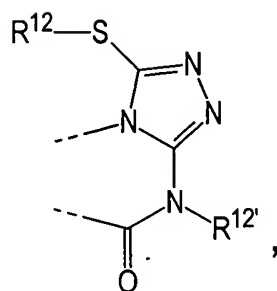
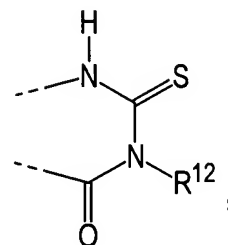
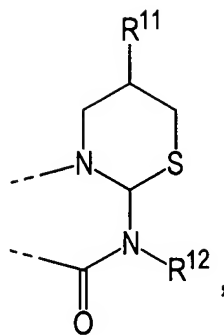
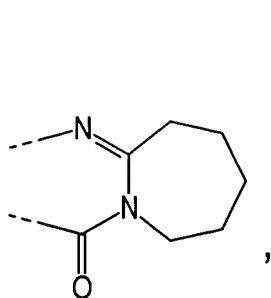
nitrobenzyl, particularly p-nitrobenzyl;

$R^{17}$  represents  $-H$ ,  $-\text{CO}-R^{12}$ ,  $-\text{CO}-R^{13}$ ,  $-\text{CO}-R^{14}$ ,  $-\text{CO}-\text{NH}-R^{12}$ ,  $-\text{CO}-\text{NH}-R^{13}$ ,  $-\text{CO}-\text{NH}-R^{14}$ ,  $-\text{SO}_2-R^{14}$ ,  $-\text{CO}-\text{NH}-\text{CH}_2-\text{COO}-R^{12}$ ,  $-\text{CO}-\text{CH}_2-\text{O}-R^{14}$ ,  $-\text{CO}-\text{CH}=\text{CH}-R^{14}$ ,

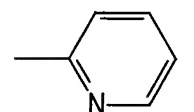
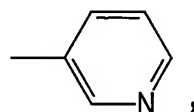
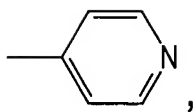


or  $R^1$  and  $R^2$  together represent a heterocyclic ring system having the following formula

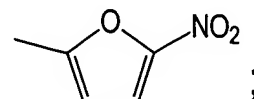
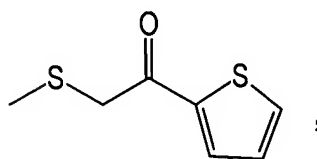




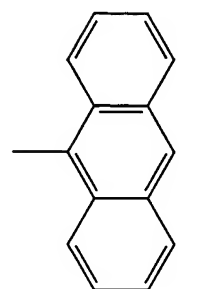
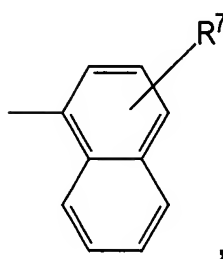
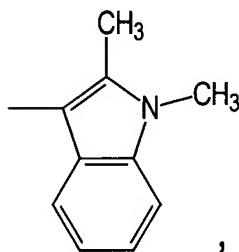
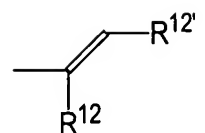
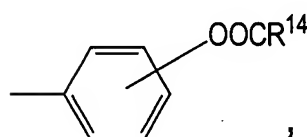
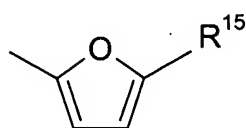
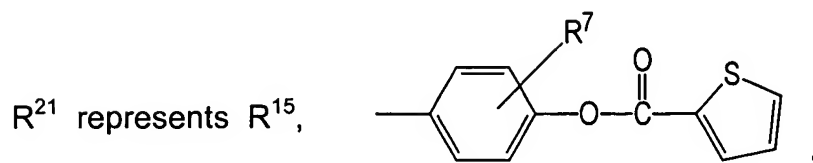
R<sup>18</sup> represents R<sup>12</sup>,



R<sup>19</sup> represents R<sup>3</sup>, R<sup>14</sup>, -SCH<sub>2</sub>-R<sup>3</sup>, -SCH<sub>2</sub>-CO-R<sup>14</sup>, -SCH<sub>2</sub>-CO-NH-R<sup>14</sup>,  
-SCH<sub>2</sub>-CO-NH-CH<sub>2</sub>-R<sup>12</sup>, -NH-CO-CH<sub>2</sub>-OR<sup>14</sup>, -CO-NH-N=CHR<sup>12</sup>(R<sup>14</sup>),



$R^{20}$  represents  $R^{12}$ ,  $-NH-CO-R^{12}$ ,  $-N=CH-R^{15}$ ;



and pharmaceutically acceptable salts of these compounds.

12. The method of Claim 11, wherein said 4,5,6,7-tetrahydrobenzo[b]thiophene compound is selected from the group consisting of:

(Compound 1) 2-{3-[1-(2-Chloro-acetyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 2) 2-[3-(1-Butyryl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;



(Compound 3) 2-[3-(1-Propanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 4) 2-[3-(1-Benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 5) 2-{3-[1-(2-Chloro-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 6) 2-[3-(1-Isobutyryl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 7) 2-{3-[1-(4-Methyl-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 8) 2-[3-(1-Cyclohexanecarbonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 9) 2-[3-(1-Cyclopropanecarbonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 10) 2-[3-(1-Hexanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 11) 2-{3-[1-(2-Methyl-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 12) 2-{3-[1-(3-Chloro-2,2-dimethyl-propionyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 13) 2-{3-[1-(3,5,5-Trimethyl-hexanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 14) 2-{3-[1-(2-Ethyl-hexanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 15) 2-{3-[1-(2-Phenyl-butyryl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 16) 2-[3-(1-Cyclopentylcarbonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 17) 2-{3-[1-(2-Chloro-2-phenyl-acetyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 18) 2-{3-[1-(4-Butyl-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 19) 2-[3-(1-Decanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 20) 2-[3-(1-Heptanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 21) 2-[3-(1-Nonanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 22) 2-[3-(1-Dodecanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 23) 2-{3-[1-(3-Methy-butyryl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 24) 2-[3-(1-Tetradecanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 25) 2-[3-(1-Cyclohexylcarbamoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 26) 2-[3-(1-Phenylcarbamoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 27) 2-[3-(1-Benzylcarbamoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 28) 2-{3-[1-(4-Ethoxycarbonyl-phenylcarbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 29) 2-{3-[1-(3-Bromo-phenylcarbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 30) 2-{3-[1-(2-Methoxy-phenylcarbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 31) 2-{3-[1-(2-Methyl-phenylcarbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 32) 2-[3-[1-(4-Chloro-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 33) 2-{3-[1-(4-Fluoro-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 34) 2-{3-[1-(4-Methyl-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 35) 2-{3-[1-Naphtalene-1-sulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 36) 2-{3-[1-(4-Chloro-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 37) 2-{3-[1-(2,5-Dichloro-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 38) 2-{3-[1-(2,2-Dichloro-acetyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 39) 2-{3-[1-(3,3-Dimethyl-butyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 40) 2-{3-[1-(Ethoxycarbonylmethyl-carbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 41) 2-{3-[1-(3-Methoxy-phenylcarbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 42) 2-{3-[1-(3,5-Bis-trifluoromethyl-benzoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 43) 2-[3-(1-Phenylacetyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 44) 2-[3-[1-(3,4-Dichloro-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 45) 2-[3-[1-(2,4,6-Trimethyl-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 46) 2-[3-[1-(4-Methoxy-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 47) 2-[3-[1-(Naphtalene-2-sulfonyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 48) 2-(3-Piperidin-4-ylmethyl-ureido)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 49) 2-(3-{1-[2-(4-Chloro-phenoxy)-acetyl]-piperidin-4-ylmethyl}-ureido)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 50) 2-(3-{1-[3-(4-Nitro-phenoyl)-acryloyl]-piperidin-4-ylmethyl}-ureido)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 51) 2-[3-(1-Octanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 52) 2-[3-(1-Benzenesulfonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 53) 2-[3-(1-Ethylcarbonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 54) 2-[3-[1-(3-Fluoro-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 55) 2-[3-[1-(4-Chloro-phenylcarbonyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 56) 4-[3-(3-ethoxycarbonyl-4,5,6,7-tetrahydro-benzo[b]thiophene-2-yl)-ureidomethyl]-piperidine-1-carboxylic acid phenyl ester;

(Compound 57) 2-[3-[1-(3-Trifluoromethyl-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 58) 2-[3-[1-(3-Bromo-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 59) 2-[3-[1-(2,4-Dichloro-phenylcarbonyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 60) 2-[3-[1-(2-Trifluoromethyl-phenylcarbonyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 61) 2-[3-[1-(4-*tert*-Butyl-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 62) 2-[3-[1-(3-Nitro-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 63) 2-[3-(1-Cyclobutanecarbonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 64) 2-{3-[1-(2-Thiophen-2-ylacetyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 65) 2-{3-[1-(Naphthalene-2-carbonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 66) 5,6,7,8-Tetrahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidine-2,4-dione;

(Compound 67) 4-Oxo-3,4,5,6,7,8-hexahydro-benzo[4,5]thieno[2,3-*d*]pyrimidine-2-carboxylic acid ethyl ester;

(Compound 68) 2-Acetylamino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 69) 2-Amino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 70) 2-Amino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 71) 2-Acetylamino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid;

(Compound 72) 2-(Toluene-4-sulfonylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 73) 7-Methyl-1,3,4,9-tetrahydro-2*H*-11-thia-5a,6,9,10-tetraaza-benzo [*b*]fluorene-5,8-dione;

(Compound 74) 7-Phenyl-1,3,4,9-tetrahydro-2*H*-11-thia-5a,6,9,10-tetraaza-benzo [*b*]fluorene-5,8-dione;

(Compound 75) 2-(5-Nitro-furan-2-yl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 76) 2-[(5-Bromo-2-hydroxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid amide;

(Compound 77) 2-[(4,5-Dibromo-2-hydroxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 78) 2-[(2-Chloro-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid amide;

(Compound 79) 2-[1-(3-Oxo-3*H*-benzo[*b*]thiophen-2-ylidene)-ethylamino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic ethyl ester;

(Compound 80) 2-Heptanoylamino-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 81) 2-(3-Bromo-benzoylamino)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 82) 2-Ethyl-5,6,7,8-tetrahydro-3-oxa-9-thia-1-aza-fluoren-4-one;

(Compound 83) Furan-2-carboxylic acid [3-(4-methoxy-phenylcarbamoyl)-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl]-amide;



(Compound 84) 2-Pyridin-3-yl-5,6,7,8-tetrahydro-3-oxa-9-thia-1-aza-fluoren-4-one;

(Compound 85) 2-Propionylamino-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic phenylamide;

(Compound 86) 1-Allylsulfanyl-4-phenyl-6,7,8,9-tetrahydro-4*H*-10-thia-2,3,4,10*b*-tetraaza-cyclopenta[*a*]fluoren-5-one;

(Compound 87) 2-[2-(1-Phenyl-1*H*-tetrazol-5-ylsulfanyl)-acetylamino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 88) 2-[3-(4-Methoxy-phenyl)-3-(2,2,2-trifluoro-acetylamino)-propionyl-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid amide;

(Compound 89) 2-(3-Chloro-benzylamino)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 90) 2-[[1-(4-Carboxy-butyryl)-1*H*-indol-3-ylmethylene]-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 91) 2-(7-Ethyl-4-oxo-3-phenyl-3,4,5,6,7,8-hexahydro-benzo)[4,5]thieno [2,3-*d*]pyrimidin-2-ylsulfanyl)-N-(2-isopropoxy-phenyl)-acetamide;

(Compound 92) N,N-Diethyl-2-(7-ethyl-4-oxo-3-phenyl-3,4,5,6,7,8-hexahydro-benzo)[4,5]thieno[2,3-*d*]pyrimidin-2-ylsulfanyl)-acetamide;

(Compound 93) 3-[(4-Hydroxy-3-methoxy-benzylidene)-amino]-2-methyl-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 94) 6-Ethyl-2-(3-phenyl-thioureido)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 95) 2-[3-(Adamantane-1-carbonyl)-thioureido]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 96) 2-[(3,5-Dibromo-2,4-dihydroxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 97) Benzoic acid 2-ethoxy-4-(4-oxo-1,2,3,4,4a,5,6,7,8,9a-decahydro-benzo [4,5]thieno[2,3-*d*]pyrimidin-2-yl)-phenylester;

(Compound 98) 2-(1-Acetylamino-2,2,2-trichloro-ethylamino)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 99) 2-(3,5-Di-*tert*-butyl-4-hydroxy-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 100) 4-Oxo-3,4,5,6,7,8-hexahydro-benzo[4,5]thieno[2,3-*d*]pyrimidine-2-carboxylic acid [1-(3-nitro-phenyl)-ethylidene]-hydrazide;

(Compound 101) 2-[(Pyridine-4-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thio-phene-3-carboxylic acid ethyl ester;

(Compound 102) 2-(2,2,3,3-Tetrafluoro-propionylamino)-4,5,6,7-tetrahydro-benzo[*b*] thiophene-3-carboxylic acid amide;

(Compound 103) 2-[3-(1-Acetylamino-2,2,2-trichloro-ethyl)-thioureido]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 104) 2-[3-(2,2,2-Trichloro-1-propionylamino-ethyl)-thioureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 105) 2-(3-Chloro-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 106) 2-(2-Chloro-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 107) 2-Anthracene-9-yl-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*] pyrimidin-4-one;

(Compound 108) 2-(3,5-Dibromo-2-methoxy-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 109) 2-[5-(4-Bromo-phenyl)-furan-2-yl]-2,3,4*a*,5,6,7,8,9*a*-octahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 110) 2-(2,4-Dichlorophenoxy)-*N*-(4-oxo-2-propyl-5,6,7,8-tetrahydro-4*H*-benzo[4,5]thieno [2,3-*d*]pyrimidin-3-yl)-acetamide;

(Compound 111) 2-(3,4-Dimethoxy-benzoylamino)-4,5,6,7-tetrahydro-benzo[*b*]thio- phene-3-carboxylic acid ethyl ester;

(Compound 112) 2-[3-(2-Chloro-phenyl)-acryloylamino]-4,5,6,7-tetrahydro-benzo[*b*] thiophene-3-carboxylic acid ethyl ester;

(Compound 113) 3-(3-Ethoxycarbonyl-4,5,6,7-tetrahydro-benzo[*b*]thiophene-2-ylcarb-amoyl)-pyrazine-2-carboxylic acid;

(Compound 114) 2-(3-{2,2,2-Trichloro-1-[(furan-2-carbonyl)-amino]-ethyl}-thioureido)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 115) 2-(1-Methyl-2-phenyl-vinyl)-2,3,4a,5,6,7,8,9a-octahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 116) 2-(2-Methoxy-naphtalen-1-yl)-2,3,4a,5,6,7,8,9a-octahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 117) 2-(1,2-Dimethyl-1*H*-indol-3-yl)-2,3,4a,5,6,7,8,9a-octahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 118) 2-(Cyclohexanecarbonyl-amino)-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 119) 3-Bromo-benzoic acid 3-(4-oxo-1,2,3,4,5,6,7,8-octahydro-benzo[4,5]thieno[2,3-*d*]pyrimidin-2-yl)-phenyl ester;

(Compound 120) 3-Thioxo-2,3,5,6,7,8-hexahydro-1*H*-9-thia-1,2,3a,10-tetraaza-cyclopenta[*b*]fluorene-4-one;

(Compound 121) 2-(2,3-Dibromo-5-ethoxy-4-hydroxy-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 122) 2-[2-(4-Chloro-phenoxy)-acetylamino]-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 123) 4-Phenyl-5a,6,7,8,9,10a-hexahydro-4*H*-10-thia-1,2,3,4,10b-pentaaza-cyclopenta[*a*]fluoren-5-one;

(Compound 124) 6-Methyl-2-[(thiophene-2-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 125) 3-Allyl-2-(2-oxo-2-thiophen-2-yl-ethylsulfanyl)-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 126) 2-[(2-Chloro-4-nitro-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 127) 2-(2-Methyl-3,5-dinitro-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 128) 2-(4-Acetyl-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 129) 2-Benzoylamino-7-hydroxyimino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 130) 2-Formylamino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 131) 5-Oxo-1,2,3,4,6,7,8,9-octahydro-5*H*-11-thia-5a,10-diazabenzofluorene-9-carboxylic acid ethyl ester;

(Compound 132) 2-Benzoylamino-7-oxo-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 133) 2-(2-Phenylsulfanyl-acetylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 134) 2-(4-Nitro-benzylamino)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 135) 2-[2-(4-Ethyl-piperazin-1-yl)-acetylamino]-7-oxo-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 136) 2-Phenylsulfanyl-3,4,7,8,9,10-hexahydro-2*H*,6*H*-12-thia-5,11-diaza-cyclohepta[*b*]fluorene-1,5-dione;

(Compound 137) 7-Hydroxy-2-(4-nitro-benzoylamino)-4,5,6,7-tetrahydro-benzo[*b*]thio-phen-3-carboxylic acid ethyl ester;

(Compound 138) 2-(2-Cyclohexylamino-acetylamino)-7-oxo-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 139) 2-(2-Azepan-1-yl-acetylamino)-7-oxo-4,5,6,7-tetrahydro-benzo[*b*]thio-phen-3-carboxylic acid ethyl ester;

(Compound 140) 7-Hydroxyimino-2-pentanoylamino-4,5,6,7-tetrahydro-benzo[*b*]thio-phen-3-carboxylic acid ethyl ester;

(Compound 141) 2-(2-Morpholin-4-yl-acetylamino)-7-oxo-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 142) 2-Benzoyloxyimion-4,5,7,8,9,10,11-heptahydro-3*H*-1-thia-6a,12-diaza-cyclohepta[*b*]fluorene-6-one;

(Compound 143) 2-(3-Acetylsulfanyl-propionylamino)-4,5,6,7-tetrahydro-benzo[*b*]thio-phen-3-carboxylic acid ethyl ester;

(Compound 144) 2-[3-(3,4-Dichloro-phenyl-ureido)-4,5,6,7-tetrahydro-benzo[b]thio- phene-3-carboxylic acid amide;

(Compound 145) 2-(2-Chloro-5-iodo-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thio-phenene-3-carboxylic acid ethyl ester;

(Compound 146) 2-[(5-Benzyl-2-hydroxy-3-nitro-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 147) 2-[(Pyridine-3-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b] thiophene -3-carboxylic acid ethyl ester;

(Compound 148) 2-(3-Thiophen-2-yl-propionylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 149) 6-Methyl-2-(3-methyl-4-nitro-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 150) 2-Isopropyl-5,6,7,8-tetrahydro-3-oxa-9-thia-1-aza-fluor-4-one;

(Compound 151) 2-(2-Piperidin-1-yl-acetylamino)-4,5,6,7-tetrahydro-benzo[b]thio-phenene-3-carboxylic acid amide;

(Compound 152) 3-Allyl-2-prop-2-ynylsulfanyl-5,6,7,8-tetrahydro-3*H*-benzo [4,5] thieno [2,3-*d*]pyrimidin-4-one;

(Compound 153) 2-(Trifluoromethyl)-5,6,7,8-tetrahydro-3*H*- benzo[4,5]thieno[2,3-*d*] pyrimidin-4-one;

(Compound 154) 2-[2-(4-Methyl-piperazin-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 155) Furan-2-carboxylic acid-(3-phenylcarbamoyl-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 156) 3-Phenyl-5,6,7,8-tetrahydro-3*H*-benzo [4,5] thieno [2,3-*d*]pyrimidin-4-one;

(Compound 157) 2-(4-Oxo-3-phenyl-3,4,5,6,7,8-hexahydro-benzo[4,5]thieno[2,3-*d*] pyrimidin-2-ylsulfanyl)-*N*-phenethyl-acetamide;

(Compound 158) 2-(3-Benzoylsulfanyl-acetylamino)-4,5,6,7-tetrahydro-benzo[*b*] -thiophene-3-carboxylic acid ethyl ester;

(Compound 159) 2-(5-Hydroxy-2-nitro-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5] thieno[2,3-*d*]pyrimidin-4-one;

(Compound 160) 2-[2-(2-Benzoylamino-2-carboxy-ethylsulfanyl)-acetylamino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 161) 2-[(5-Bromoo-2-hydroxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 162) 3-[(2,4-Dihydroxy-benzylidene)-amino]-2-methyl-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 163) *N*-(4-Oxo-2-pentyl-5-pentyl-5,6,7,8-tetrahydro-4*H*-benzo[4,5]thieno [2,3-*d*]pyrimidin-3-yl)-2-phenyl-acetamide;

(Compound 164) 2-[(2,3-Dihydro-benzo[1,4]dioxine-5-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;



(Compound 165) 2-[(3,5-Dichloro-4-methoxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 166) 2-Iodo-5-phenyl-2,3,4a,5,6,7,8,9,10-octahydro-1*H*-4,11-dithia-5,11b-diaza-benzo[a]fluoren-6-one;

(Compound 167) 2-Benzoylamino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid;

(Compound 168) 2-(2,2,2-Trichloro-1-phenylacetyl-amino-ethyl-amino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 169) 2-(3-Furan-2-yl-acryloyl-amino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 170) 3-[(3-Bromo-4-hydroxy-5-methoxy-benzylidene)-amino]-2-methyl-5,6,7,8-tetrahydro-3*H*-benzo[4,5] thieno [2,3-*d*]pyrimidin-4-one;

(Compound 171) 3-[(3-Chloro-4-hydroxy-5-methoxy-benzylidene)-amino]-2-methyl-5,6,7,8-tetrahydro-3*H*-benzo[4,5] thieno [2,3-*d*]pyrimidin-4-one;

(Compound 172) 2-[3-(4-Chloro-2-methyl-phenoxy)-propionyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 173) 2-Amino-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 174) 7-Benzoyloxyimino-2-pyrrol-1-yl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 175) 2-(2-Formyl-pyrrol-1-yl)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid;

(Compound 176) 2-(5-Chloro-pentanoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 177) 3-Allyl-6-methyl-2-thioxo-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno [2,3-*d*]pyrimidin-4-one;

(Compound 178) (3-Allyl-6-methyl-4-oxo-3,4,5,6,7,8-hexahydro-benzo[4,5]thieno[2,3-*d*]pyrimidin-2-ylsulfanyl)-acetic acid;

(Compound 179) 2-[2-(4-Bromo-phenyl-2-oxo-ethylsulfanyl)]-6-methyl-3-phenyl-5,6,7,8-tetrahydro-3*H*-benzo [4,5] thieno [2,3-*d*]pyrimidin-4-one;

(Compound 180) 2-Amino-5-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 181) 2-(2-Bromo-benzoylamino)-7-oxo-4,5,6,7-tetrahydro-benzo[b]thio- phene-3-carboxylic acid ethyl ester;

(Compound 182) 2-(3-Methyl-benzoylamino)- 4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 183) 2-(4-Benzoyl-benzoylamino)- 4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 184) 2-[(2-Ethoxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thio- phene-3-carboxylic acid amide;

(Compound 185) 2-[2-Amino-3-cyano-7,7-dimethyl-4-(3-nitro-phenyl)-5-oxo-4a,5,6,7,8,8a-hexahydro-4*H*-quinolin-1-yl]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 186) 2-[2-Amino-3-cyano-7,7-dimethyl-4-(4-chloro-phenyl)-5-oxo-4a,5,6,7,8,8a-hexahydro-4*H*-quinolin-1-yl]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 187) 2-[2-Amino-3-cyano-7,7-dimethyl-4-(4-ethyl-phenyl)-5-oxo-4a,5,6,7,8,8a-hexahydro-4*H*-quinolin-1-yl]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 188) 2-[2-Amino-3-cyano-7,7-dimethyl-4-(4-nitro-phenyl)-5-oxo-4a,5,6,7,8,8a-hexahydro-4*H*-quinolin-1-yl]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 189) (3-Allyl--4-oxo-3,4,5,6,7,8-hexahydro-benzo[4,5]thieno [2,3-*d*]pyrimidin-2-ylsulfanyl)-acetic acid methyl ester;

(Compound 190) 2-(2-Hydroxy-ethylsulfanyl)-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno [2,3-*d*]pyrimidin-4-one;

(Compound 191) Thiophene-2-carboxylic acid 2-ethoxy-4-(4-oxo-3,4,5,6,7,8-hexahydro-benzo-[4,5]thieno-[2,3-*d*]pyrimidin-2-ylsulfanyl)-phenyl ester;

(Compound 192) 2-(2-Fluoro-benzoylamino)-6-methyl-4,5,6,7-tetrahydro-benzo[*b*] thiophene-3-carboxylic acid isopropyl ester;

(Compound 193) 3a,7a-Dihydro-benzo[1,3]dioxole-5-carboxylic acid (3-carbamoyl-5-methyl-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 194) 2-[(3a,7a-Dihydro-benzo[1,3]dioxole-5-carbonyl)-amino]-6-methyl-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid isopropyl ester;

(Compound 195) 2-[(3a,7a-Dihydro-benzo[1,3]dioxole-5-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 196) 6-Methyl-2-(3-phenyl-propionylamino)-4,5,6,7-tetrahydro-benzo[b] thiophene-3-carboxylic acid amide;

(Compound 197) 2-(2,4-Dichloro-benzoylamino)-6-Methyl-4,5,6,7-tetrahydro-benzo[b] thiophene-3-carboxylic acid isopropyl ester;

(Compound 198) 2-(4-Methoxy-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 199) Tetrahydro-fruan-2-carboxylic acid (3-carbamoyl-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl)-amide;

(Compound 200) 2-[2-(5-Methyl-3-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 201) 2-(4-Fluoro-benzenesulfonylamino)-4,5,6,7-tetrahydro-benzo[b]thio- phene-3-carboxylic acid amide;

(Compound 202) 6-*tert*-Butyl-2-(3-phenyl-3-phenylsulfanyl-propionylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 203) 2-[2-(3,5-Dimethyl-4-nitro-pyrazol-1-yl)-acetylamino]-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 204) 2-[2-(3,5-Dimethyl-4-nitro-pyrazol-1-yl)-acetylamino]--4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 205) 6-Methyl-2-(3,3-diphenyl-propionylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 206) 2-(3,5-Dimethoxy-benzoylamino)-6-(1,1-dimethyl-propyl)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 207) 6-*tert*-Butyl-2-[2-(5-methyl-3-trifluormethyl-pyrazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 208) 6-*tert*-Butyl-2-(3-phenyl-3-phenylsulfanyl-propionylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 209) 2-[2-(5-Methyl-3-nitro-pyrazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 210) 6-*tert*-Butyl-2-[2-(3-nitro-[1,2,4]triazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 211) 6-*tert*-Butyl-2-[2-(3,5-dimethyl-4-nitro-pyrazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 212) 6-Methyl-2-[2-(5-methyl-3-trifluoromethyl-pyrazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 213) 6-Methyl-2-[2-(5-methyl-3-trifluoromethyl-pyrazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 214) 6-*tert*-Butyl-2-[2-(5-methyl-3-trifluoromethyl-pyrazol-1-yl)-acetyl- amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 215) 6-*tert*-Butyl-2-[2-(3,5-dimethyl-4-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 216) 6-*tert*-Butyl-2-(3-carboxy-acryloylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 217) 6-*tert*-Butyl-2-(4-carboxy-butyrylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 218) 2-[(4-Iodo-2-methyl-2*H*-pyrazole-3-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 219) 2-[4-(4-Chloro-2-methyl-phenoxy)-butyrylamino]-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 220) 2-(2-Phenyl-2-phenylsulfanyl-acetylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 221) 2-[(5-Methyl-3-phenyl-isoxazole-4-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 222) 6-Methyl-2-[2-(3-nitro-[1,2,4]triazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 223) 6-Methyl-2-[2-(3-nitro-[1,2,4]triazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 224) 2-Amino-6-*tert*-butyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 225) 2-Amino-6-*tert*-butyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 226) 6-Methyl-2-[2-(5-methyl-3-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 227) 2-[2-(3,5-Dimethyl-4-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 228) 2-[2-(3,5-Dimethyl-4-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 229) 2-[2-(5-Methyl-3-trifluoromethyl-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 230) 6-Methyl-2-[2-(3-nitro-[1,2,4]triazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 231) 2-[(2-Carboxy-cyclohexanecarbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 232) 2-(3-Carboxy-acryloylamino)-6-(1,1-dimethyl-propyl)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 233) 6-(1,1-Dimethyl-propyl)-2-[(5-methyl-furan-2-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 234) 6-Methyl-2-[(2-methyl-furan-3-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 235) 2-(4-Chloro-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 236) 2-Benzoylamino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 237) 2-(Cyclopropanecarbonyl-amino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 238) 2-[2-(4-Nitrophenyl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 239) 6-Methyl-2-[2-(3-nitro-[1,2,4]triazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 240) Furan-2-carboxylic acid [3-(2-hydroxy-ethylcarbamoyl)-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl]-amide;

(Compound 241) Cyclopropanecarboxylic acid (3-ethoxy-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl)-amide;

(Compound 242) *N*-(3-Ethoxy-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl)-acetamide;

(Compound 243) *N*-(3-Ethoxy-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl)-propionamide;

(Compound 244) *N*-(3-Ethoxy-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl)-2-methyl-acrylamide;



(Compound 245) 3-Methyl-but-2-enoic acid (3-ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 246) But-2-enoic acid (3-ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 247) *N*-(3-ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-2,2-dimethyl-propionamide;

(Compound 248) Thiophene-2-carboxylic acid (3-ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 249) Furan-2-carboxylic acid (3-ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 250) 2-Acetyl-amino-4,5,6,7-tetrahydrobenzo[*b*]thiophene-3-carboxylic acid amide;

(Compound 251) 2-(2,2,-Dimethyl-propionylamino)-4,5,6,7-tetrahydrobenzo[*b*]thiophene-3-carboxylic acid amide;

(Compound 252) 2-(Cyclopropanecarbonyl-amino)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid;

(Compound 253) Cyclopropanecarboxylic acid (3-cyano-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl) amide;

(Compound 254) 2-Amino-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carbonitrile;

(Compound 255) 2-Isobutyrylamino-4,5,6,7-tetrahydrobenzo[*b*]thiophene-3-carboxylic acid amide;

(Compound 256) 2-Isobutyrylamino-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 257) 2-(Ethoxyoxalyl-amino)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 258) 2-Amino-4-methyl-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 259) 2-(Cyclopropanecarbonyl amino)-4-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 260) Oxo-(4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-acetic acid;

(Compound 261) 2-Chloro-1-(4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-ethanone;

(Compound 262) 2-Hydrazino-1-(4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-ethanone;

(Compound 263) 2-(2-Methyl-acryloylamino)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 264) 2-[(Thiophene-2-carbonyl)-amino]- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 265) Furan-2-carboxylic acid (3-carbamoyl-4,5,6,7-tetrahydro-benzo[b]-thiophen-2-yl)-amide;

(Compound 266) 2-(Cyclobutanecarbonyl-amino)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 267) 2-(2-Methyl-butyrylamino)- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 268) 2-(Cyclopropanecarbonyl-amino)-4-methyl-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 269) 6-*tert*-Butyl 2-(cyclopropanecarbonyl-amino)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 270) 2-(Cyclopropanecarbonyl-amino)-6-methyl-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 271) 2-(Cyclopropylmethyl-amino)- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 272) *N*-(3-Cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-acetamide;

(Compound 273) *N*-(3-Cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-benzamide;

(Compound 274) 5-Bromo-furan-2-carboxylic acid (3-cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)- amide;

(Compound 275) *N*-(3-Cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-2,2,2,-trifluoro-acetamide;

(Compound 276) 2-[(Furan-2-ylmethylene)-amino]-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carbonitrile;

(Compound 277) *N*-(3-Cyano-6-methyl-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-acetamide;

(Compound 278) 2-[(Pyrazine-2-carbonyl)-amino]-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 279) 2-Isobutyrylamino- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 280) 6-Methyl-2-[(thiophene-2-carbonyl)-amino]- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid;

(Compound 281) 2-[(Thiophene-2-carbonyl)-amino]- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid;

(Compound 282) 2-(Cyclopropanecarbonyl-amino) 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid;

(Compound 283) 2-(Cyclohexanecarbonyl-amino) 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

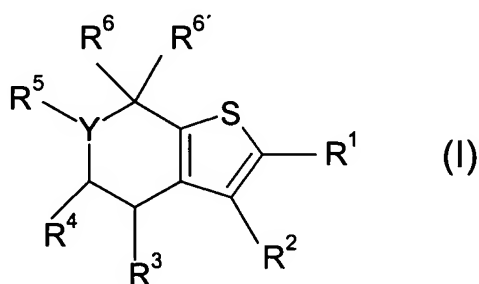
(Compound 284) 2-Acetylamino-6-methyl- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 285) 2-Amino-4,7-dihydro-5*H*-thieno[2,3-*c*]-thiopyran-3-carboxylic acid amide;

(Compound 286) 2-(Cyclopropanecarbonyl-amino)-4,7-dihydro-5*H*-thieno[2,3-*c*]-thiopyran-3-carboxylic acid amide; and

(Compound 287) 2-(Cyclopropanecarbonyl-amino)-6-oxo-4,5,6,7-tetrahydro-6*λ*<sup>4</sup>-thieno[2,3-*c*]thiopyran-3-carboxylic acid amide.

13. A mycobacterial serine/threonine protein kinase inhibitor compound having the general formula (I):



wherein

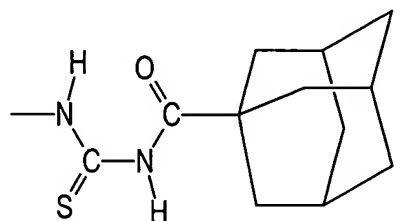
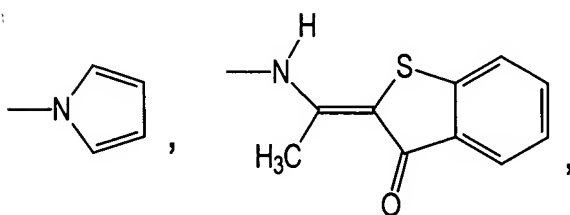
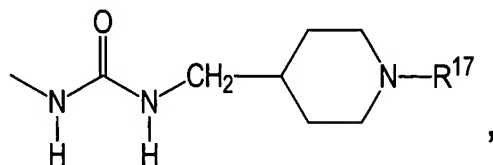
Y represents C or S;

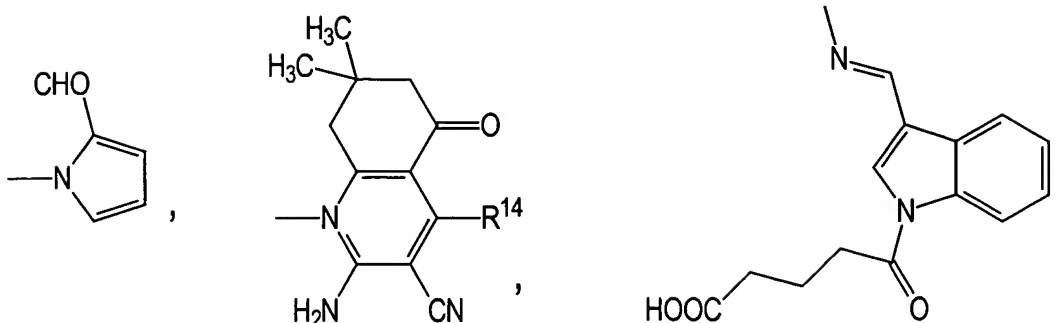
wherein

R<sup>1</sup> represents R<sup>2</sup>, -NH-CO-R<sup>16</sup>, -NH<sub>2</sub>, -N=CH-R<sup>15</sup>, -N=CH-R<sup>16</sup>, -NH-CH<sub>2</sub>-R<sup>14</sup>, -NH-CH<sub>2</sub>-R<sup>16</sup>, -NH-SO<sub>2</sub>-R<sup>14</sup>, -NH-CO-NH-R<sup>14</sup>, -NH-CS-NH-CH(CCl<sub>3</sub>)-NH-CO-R<sup>16</sup>,

-NH-CH(CCl<sub>3</sub>)-NH-CO-R<sup>12</sup>,

-NH-CS-NH-R<sup>12</sup>, -N=CH-R<sup>12</sup>,





$R^2$  represents  $-\text{COOR}^{12}$ ,  $-\text{CONR}^{12}\text{R}^{12'}$ ,  $-\text{CONR}^{12}\text{R}^{14}$ ,  $-\text{C}\equiv\text{N}$ ,  $-\text{COCOOR}^{12}$ ,  $-\text{COCH}_2\text{Cl}$ ,  $-\text{COCONHNH}_2$ ,

$R^3$ ,  $R^4$ ,  $R^5$  represent independently of each other  $-\text{R}^{11}$ ,  $-\text{R}^{12}$ ,  $-\text{R}^{12'}$ ,  $-\text{OR}^{12}$ ,  $-\text{SR}^{12}$ ,  $-\text{NO}_2$ ,  $-\text{CO}-\text{R}^{12}$ ,  $-\text{NO}$ ,  $-\text{N}_3$ ,  $-\text{CN}$ ,  $-\text{OCN}$ ,  $-\text{NCO}$ ,  $-\text{SCN}$ ,  $-\text{NCS}$ ,  $-\text{COOR}^{12}$ ,  $-\text{COCN}$ ,  $-\text{CONR}^{12}\text{R}^{12'}$ ,  $-\text{NR}^{12}\text{R}^{12'}$ ,  $-\text{SOR}^{12}$ ,  $-\text{SO}_2\text{R}^{12}$ ,  $-\text{SO}_3\text{R}^{12}$ ,  $-\text{CH}_2\text{OR}^{12}$ ;

in one case  $R^6$  represents  $-\text{R}^{11}$ ,  $-\text{R}^{12}$ ,  $-\text{R}^{12'}$ ,  $-\text{OR}^{12}$ ,  $-\text{SR}^{12}$ ,  $-\text{NO}_2$ ,  $-\text{CO}-\text{R}^{12}$ ,  $-\text{NO}$ ,  $-\text{N}_3$ ,  $-\text{CN}$ ,  $-\text{OCN}$ ,  $-\text{NCO}$ ,  $-\text{SCN}$ ,  $-\text{NCS}$ ,  $-\text{COOR}^{12}$ ,  $-\text{COCN}$ ,  $-\text{CONR}^{12}\text{R}^{12'}$ ,  $-\text{NR}^{12}\text{R}^{12'}$ ,  $-\text{SOR}^{12}$ ,  $-\text{SO}_2\text{R}^{12}$ ,  $-\text{SO}_3\text{R}^{12}$ , and  $R^{6'}$  is hydrogen;

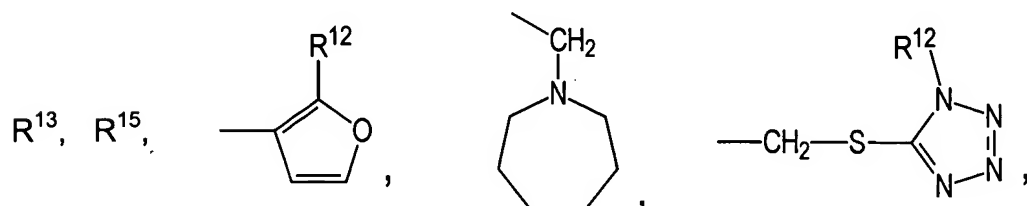
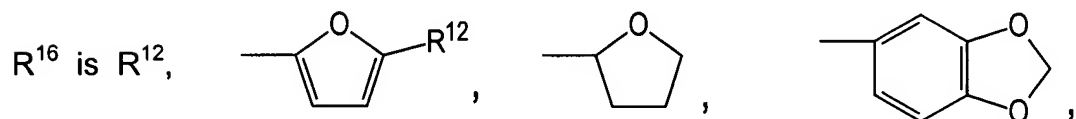
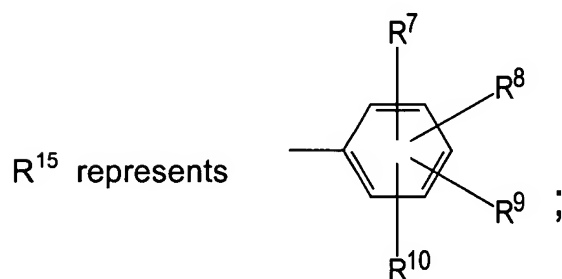
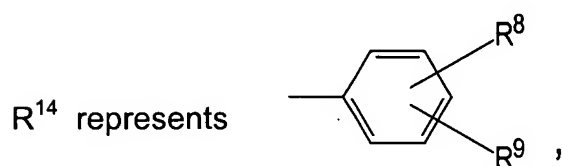
in the other case  $R^6$  and  $R^{6'}$  together represent a carbonyl oxygen or a oximo residue  $=\text{N}-\text{OH}$  or  $=\text{N}-\text{OOC}-\text{R}^{12}$ ;

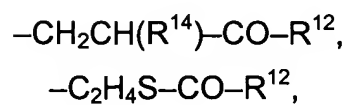
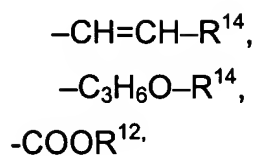
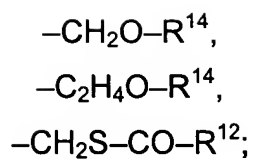
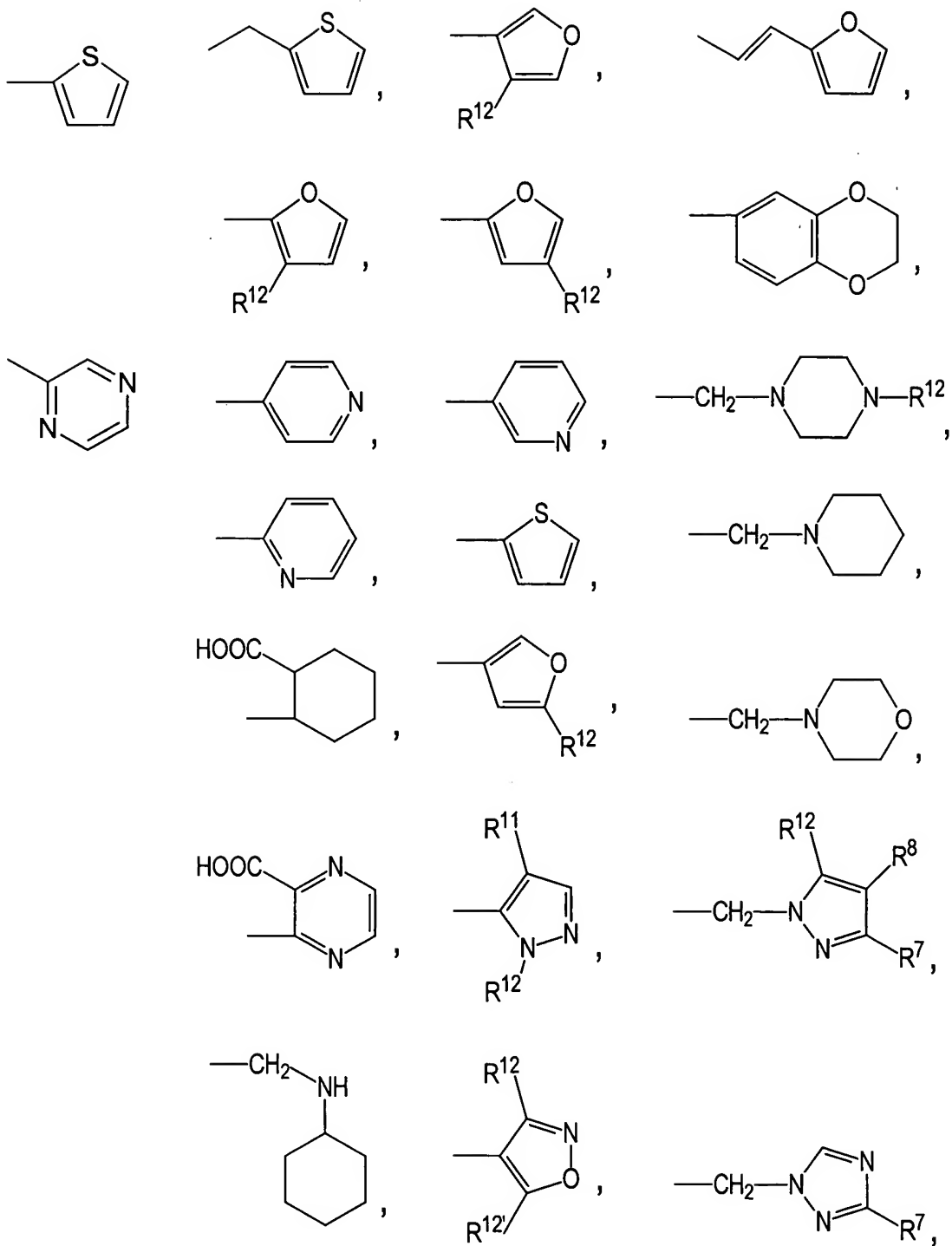
$R^7$ ,  $R^8$ ,  $R^9$ ,  $R^{10}$  represent independently of each other  $-\text{R}^{11}$ ,  $-\text{R}^{12}$ ,  $-\text{OR}^{12}$ ,  $-\text{SR}^{12}$ ,  $-\text{NO}_2$ ,  $-\text{CO}-\text{R}^{12}$ ,  $-\text{COOR}^{12}$ ,  $-\text{OOCR}^{16}$ ;

$R^{11}$  represents  $-\text{F}$ ,  $-\text{Cl}$ ,  $-\text{Br}$ ,  $-\text{I}$ ;

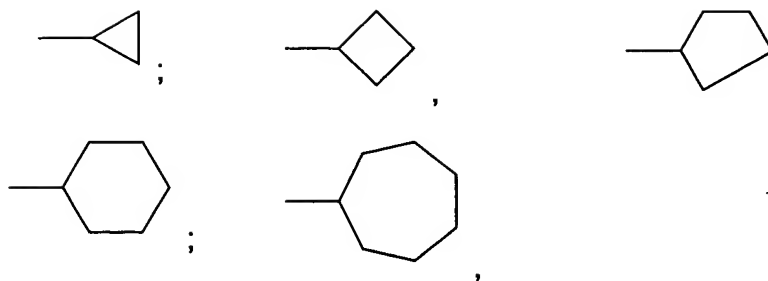
$R^{12}$ ,  $R^{12'}$  represent independently of each other  $-\text{H}$ ,  $-\text{CH}_3$ ,  $-\text{C}(\text{R}^{11})_3$ ,  $-\text{C}_2\text{H}_5$ ,  $-\text{C}_3\text{H}_7$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2-\text{CH}=\text{CH}_2$ ,  $-\text{CCH}_3=\text{CH}_2$ ,  $-\text{CH}=\text{C}(\text{CH}_3)_2$ ,  $-\text{CH}=\text{CH}-\text{CH}_3$ ,  $-\text{CH}=\text{CHC}_2\text{H}_5$ ,  $-\text{CH}(\text{CH}_3)\text{C}_2\text{H}_5$ ,  $-(\text{CH}_2)_n-\text{C}\equiv\text{C}-\text{R}^5$ ,  $-\text{C}_4\text{H}_9$ ,  $-\text{C}(\text{CH}_3)_3$ ,  $-\text{Ph}$ ,  $-\text{CH}_2-\text{R}^{15}$ ;  $-\text{C}_2\text{H}_4\text{OH}$  with  $n$  being an integer from 0-2;

$R^{13}$  represents  $-\text{CF}_2\text{CHF}_2$ ,  $-\text{C}_5\text{H}_{11}$ ,  $-\text{C}_6\text{H}_{11}$ ,  $-\text{C}_6\text{H}_{13}$ ,  $-\text{C}_7\text{H}_{15}$ ,  $-\text{C}_8\text{H}_{17}$ ,  $-\text{C}_9\text{H}_{19}$ ,  $-\text{C}_{10}\text{H}_{21}$ ,  $-\text{C}_{11}\text{H}_{23}$ ,  $-\text{C}_{12}\text{H}_{25}$ ,  $-\text{C}_{13}\text{H}_{27}$ ,  $-\text{CH}_2\text{SPh}$ ,  $-\text{CH}_2\text{R}^{11}$ ,  $-\text{C}_2\text{H}_4\text{R}^{11}$ ,  $-\text{C}_3\text{H}_6\text{R}^{11}$ ,  $-\text{C}_4\text{H}_8\text{R}^{11}$ ,  $-\text{C}_2\text{H}_4\text{Ph}$ ,  $-\text{CH}=\text{CH}-\text{COOR}^{12}$ ,  $-\text{CH}_2\text{COOR}^{12}$ ,  $-\text{C}_2\text{H}_4\text{COOR}^{12}$ ,  $-\text{C}_3\text{H}_6\text{COOR}^{12}$ ,  $-\text{CH}(\text{Ph})-\text{SPh}$ ,  $-\text{C}_3\text{H}_5$ ,  $-\text{CH}_2\text{CH}(\text{Ph})_2$ ,  $-\text{C}_4\text{H}_7$ ,  $-\text{C}_5\text{H}_9$ ,  $-\text{C}(\text{CH}_3)_2\text{CH}_2\text{R}^{11}$ ,  $-\text{CH}_2\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}(\text{R}^{11})\text{Ph}$ ,  $-\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{C}(\text{CH}_3)_3$ ,  $-\text{CH}(\text{C}_2\text{H}_5)-\text{C}_4\text{H}_9$ ,  $-\text{CH}(\text{R}^{11})_2$ ,  $-\text{CH}(\text{Ph})-\text{C}_2\text{H}_5$ ,  $-\text{CH}_2\text{C}(\text{CH}_3)_3$ ,



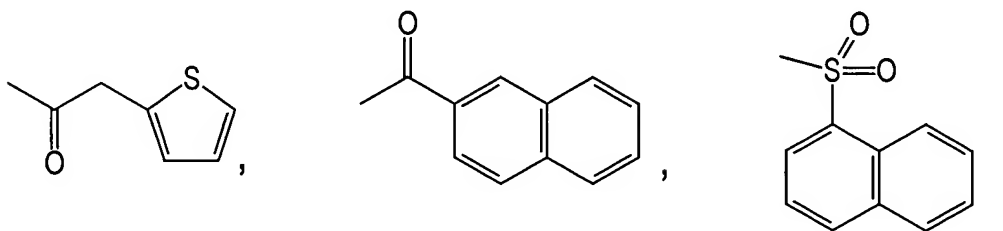




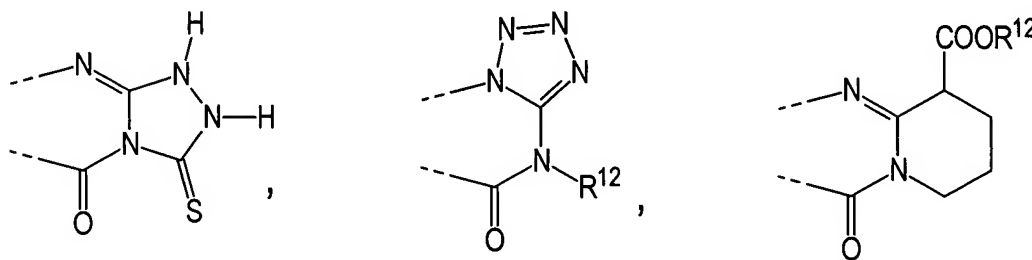


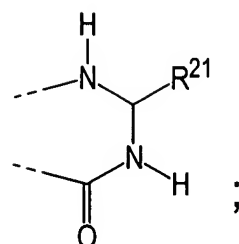
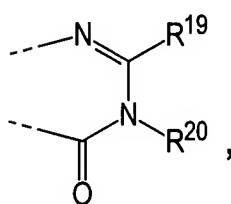
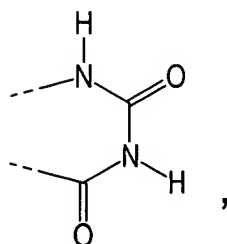
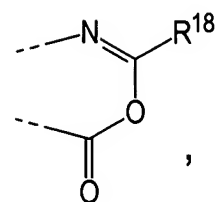
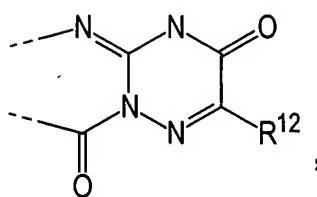
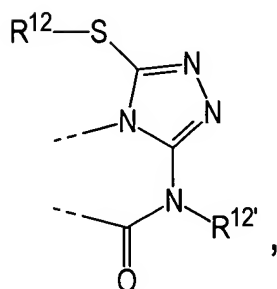
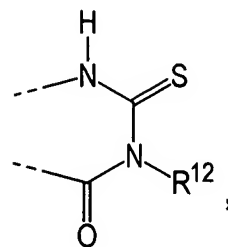
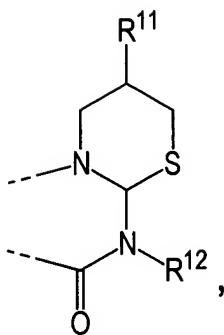
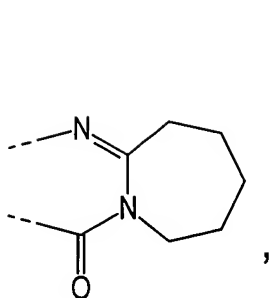
nitrobenzyl, particularly p-nitrobenzyl;

$R^{17}$  represents  $-H$ ,  $-\text{CO}-R^{12}$ ,  $-\text{CO}-R^{13}$ ,  $-\text{CO}-R^{14}$ ,  $-\text{CO}-\text{NH}-R^{12}$ ,  $-\text{CO}-\text{NH}-R^{13}$ ,  $-\text{CO}-\text{NH}-R^{14}$ ,  $-\text{SO}_2-R^{14}$ ,  $-\text{CO}-\text{NH}-\text{CH}_2-\text{COO}-R^{12}$ ,  $-\text{CO}-\text{CH}_2-\text{O}-R^{14}$ ,  $-\text{CO}-\text{CH}=\text{CH}-R^{14}$ ,

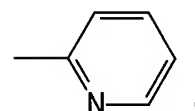
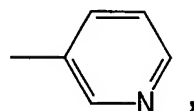
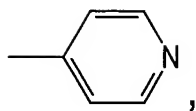


or  $R^1$  and  $R^2$  together represent a heterocyclic ring system having the following formula

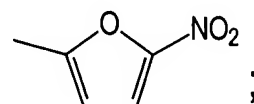
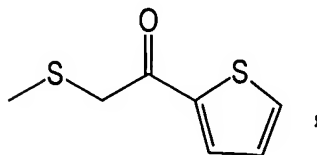




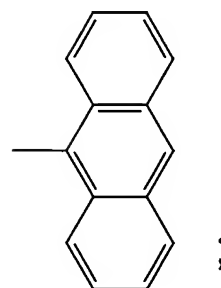
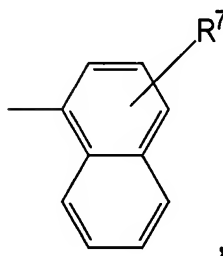
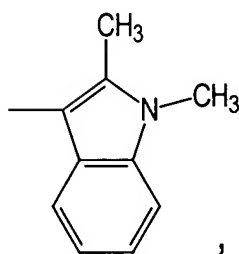
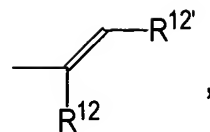
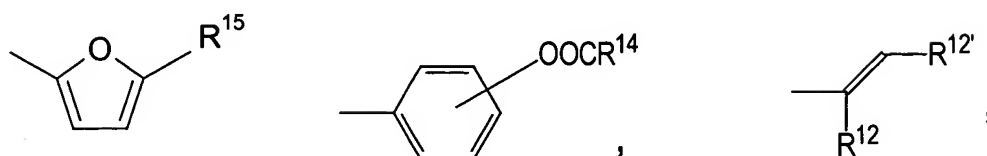
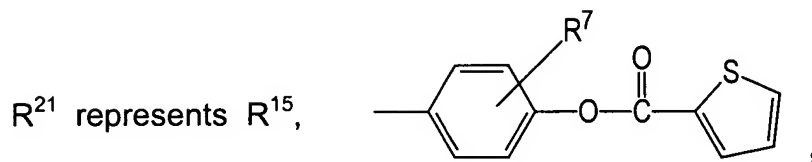
R<sup>18</sup> represents R<sup>12</sup>,



R<sup>19</sup> represents R<sup>3</sup>, R<sup>14</sup>, -SCH<sub>2</sub>-R<sup>3</sup>, -SCH<sub>2</sub>-CO-R<sup>14</sup>, -SCH<sub>2</sub>-CO-NH-R<sup>14</sup>,  
-SCH<sub>2</sub>-CO-NH-CH<sub>2</sub>-R<sup>12</sup>, -NH-CO-CH<sub>2</sub>-OR<sup>14</sup>, -CO-NH-N=CHR<sup>12</sup>(R<sup>14</sup>),



$R^{20}$  represents  $R^{12}$ ,  $-NH-CO-R^{12}$ ,  $-N=CH-R^{15}$ ;



and pharmaceutically acceptable salts of these compounds.

14. A pharmaceutical composition useful for treating mycobacterial infections, said pharmaceutical composition comprising at least one inhibitor of a mycobacterial serine/threonine protein kinase according to Claim 13 and a pharmaceutically acceptable carrier, excipient or diluent.
15. A pharmaceutical composition according to Claim 14, wherein said mycobacterial serine/threonine protein kinase inhibitor is selected from the group consisting of:

(Compound 1) 2-{3-[1-(2-Chloro-acetyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 2) 2-[3-(1-Butyryl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 3) 2-[3-(1-Propanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 4) 2-[3-(1-Benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 5) 2-{3-[1-(2-Chloro-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 6) 2-[3-(1-Isobutyryl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 7) 2-{3-[1-(4-Methyl-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 8) 2-[3-(1-Cyclohexanecarbonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 9) 2-[3-(1-Cyclopropanecarbonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 10) 2-[3-(1-Hexanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 11) 2-{3-[1-(2-Methyl-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 12) 2-{3-[1-(3-Chloro-2,2-dimethyl-propionyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 13) 2-{3-[1-(3,5,5-Trimethyl-hexanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 14) 2-{3-[1-(2-Ethyl-hexanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 15) 2-{3-[1-(2-Phenyl-butyryl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 16) 2-[3-(1-Cyclopentylcarbonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 17) 2-{3-[1-(2-Chloro-2-phenyl-acetyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 18) 2-{3-[1-(4-Butyl-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 19) 2-[3-(1-Decanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 20) 2-[3-(1-Heptanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 21) 2-[3-(1-Nonanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 22) 2-[3-(1-Dodecanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 23) 2-{3-[1-(3-Methy-buteryl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 24) 2-[3-(1-Tetradecanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 25) 2-[3-(1-Cyclohexylcarbamoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 26) 2-[3-(1-Phenylcarbamoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 27) 2-[3-(1-Benzylcarbamoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 28) 2-{3-[1-(4-Ethoxycarbonyl-phenylcarbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 29) 2-{3-[1-(3-Bromo-phenylcarbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 30) 2-{3-[1-(2-Methoxy-phenylcarbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 31) 2-{3-[1-(2-Methyl-phenylcarbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 32) 2-{3-[1-(4-Chloro-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 33) 2-{3-[1-(4-Fluoro-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 34) 2-{3-[1-(4-Methyl-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 35) 2-{3-[1-Naphtalene-1-sulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 36) 2-{3-[1-(4-Chloro-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 37) 2-{3-[1-(2,5-Dichloro-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 38) 2-{3-[1-(2,2-Dichloro-acetyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 39) 2-{3-[1-(3,3-Dimethyl-butyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 40) 2-{3-[1-(Ethoxycarbonylmethyl-carbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 41) 2-{3-[1-(3-Methoxy-phenylcarbamoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 42) 2-{3-[1-(3,5-Bis-trifluoromethyl-benzoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 43) 2-[3-(1-Phenylacetyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 44) 2-{3-[1-(3,4-Dichloro-benzoyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 45) 2-{3-[1-(2,4,6-Trimethyl-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 46) 2-{3-[1-(4-Methoxy-benzenesulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 47) 2-{3-[1-(Naphtalene-2-sulfonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 48) 2-(3-Piperidin-4-ylmethyl-ureido)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 49) 2-(3-{1-[2-(4-Chloro-phenoxy)-acetyl]-piperidin-4-ylmethyl}-ureido)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 50) 2-(3-{1-[3-(4-Nitro-phenoyl)-acryloyl]-piperidin-4-ylmethyl}-ureido)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 51) 2-[3-(1-Octanoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;



(Compound 52) 2-[3-(1-Benzenesulfonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 53) 2-[3-(1-Ethylcarbonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 54) 2-[3-[1-(3-Fluoro-benzoyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 55) 2-[3-[1-(4-Chloro-phenylcarbonyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 56) 4-[3-(3-ethoxycarbonyl-4,5,6,7-tetrahydro-benzo[b]thiophene-2-yl)-ureidomethyl]-piperidine-1-carboxylic acid phenyl ester;

(Compound 57) 2-[3-[1-(3-Trifluoromethyl-benzoyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 58) 2-[3-[1-(3-Bromo-benzoyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 59) 2-[3-[1-(2,4-Dichloro-phenylcarbonyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 60) 2-[3-[1-(2-Trifluoromethyl-phenylcarbonyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 61) 2-[3-[1-(4-*tert*-Butyl-benzoyl)-piperidin-4-ylmethyl]-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 62) 2-{3-[1-(3-Nitro-benzoyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 63) 2-[3-(1-Cyclobutanecarbonyl-piperidin-4-ylmethyl)-ureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 64) 2-{3-[1-(2-Thiophen-2-ylacetyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 65) 2-{3-[1-(Naphthalene-2-carbonyl)-piperidin-4-ylmethyl]-ureido}-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 66) 5,6,7,8-Tetrahydro-1*H*-benzol[4,5]thieno[2,3-*d*]pyrimidine-2,4-dione;

(Compound 67) 4-Oxo-3,4,5,6,7,8-hexahydro-benzo[4,5]thieno[2,3-*d*]pyrimidine-2-carboxylic acid ethyl ester;

(Compound 68) 2-Acetylamino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 69) 2-Amino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 70) 2-Amino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 71) 2-Acetylamino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid;

(Compound 72) 2-(Toluene-4-sulfonylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 73) 7-Methyl-1,3,4,9-tetrahydro-2*H*-11-thia-5a,6,9,10-tetraaza-benzo [b]fluorene-5,8-dione;

(Compound 74) 7-Phenyl-1,3,4,9-tetrahydro-2*H*-11-thia-5a,6,9,10-tetraaza-benzo [b]fluorene-5,8-dione;

(Compound 75) 2-(5-Nitro-furan-2-yl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 76) 2-[(5-Bromo-2-hydroxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 77) 2-[(4,5-Dibromo-2-hydroxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 78) 2-[(2-Chloro-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 79) 2-[1-(3-Oxo-3*H*-benzo[b]thiophen-2-ylidene)-ethylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic ethyl ester;

(Compound 80) 2-Heptanoylamino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 81) 2-(3-Bromo-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 82) 2-Ethyl-5,6,7,8-tetrahydro-3-oxa-9-thia-1-aza-fluoren-4-one;

(Compound 83) Furan-2-carboxylic acid [3-(4-methoxy-phenylcarbamoyl)-4,5,6,7-tetra hydro-benzo[*b*]thiophen-2-yl]-amide;

(Compound 84) 2-Pyridin-3-yl-5,6,7,8-tetrahydro-3-oxa-9-thia-1-aza-fluoren-4-one;

(Compound 85) 2-Propionylamino-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic phenylamide;

(Compound 86) 1-Allylsulfanyl-4-phenyl-6,7,8,9-tetrahydro-4*H*-10-thia-2,3,4,10*b*-tetraaza-cyclopenta[*a*]fluoren-5-one;

(Compound 87) 2-[2-(1-Phenyl-1*H*-tetrazol-5-yl)sulfanyl]-acetylamino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 88) 2-[3-(4-Methoxy-phenyl)-3-(2,2,2-trifluoro-acetylamino)-propionyl-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid amide;

(Compound 89) 2-(3-Chloro-benzyolamino)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 90) 2-[[1-(4-Carboxy-butyryl)-1*H*-indol-3-ylmethylene]-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 91) 2-(7-Ethyl-4-oxo-3-phenyl-3,4,5,6,7,8-hexahydro-benzo)[4,5]thieno [2,3-*d*]pyrimidin-2-ylsulfanyl)-N-(2-isopropoxy-phenyl)-acetamide;

(Compound 92) N,N-Diethyl-2-(7-ethyl-4-oxo-3-phenyl-3,4,5,6,7,8-hexahydro-benzo)[4,5]thieno[2,3-*d*]pyrimidin-2-ylsulfanyl)-acetamide;

(Compound 93) 3-[(4-Hydroxy-3-methoxy-benzylidene)-amino]-2-methyl-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 94) 6-Ethyl-2-(3-phenyl-thioureido)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 95) 2-[3-(Adamantane-1-carbonyl)-thioureido]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 96) 2-[(3,5-Dibromo-2,4-dihydroxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 97) Benzoic acid 2-ethoxy-4-(4-oxo-1,2,3,4,4a,5,6,7,8,9a-decahydro-benzo [4,5]thieno[2,3-*d*]pyrimidin-2-yl)-phenylester;

(Compound 98) 2-(1-Acetylamino-2,2,2-trichloro-ethylamino)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 99) 2-(3,5-Di-*tert*-butyl-4-hydroxy-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 100) 4-Oxo-3,4,5,6,7,8-hexahydro-benzo[4,5]thieno[2,3-*d*]pyrimidine-2-carboxylic acid [1-(3-nitro-phenyl)-ethylidene]-hydrazide;

(Compound 101) 2-[(Pyridine-4-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thio-phene-3-carboxylic acid ethyl ester;

(Compound 102) 2-(2,2,3,3-Tetrafluoro-propionylamino)-4,5,6,7-tetrahydro-benzo[*b*] thiophene-3-carboxylic acid amide;

(Compound 103) 2-[3-(1-Acetylamino-2,2,2-trichloro-ethyl)-thioureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 104) 2-[3-(2,2,2-Trichloro-1-propionylamino-ethyl)-thioureido]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 105) 2-(3-Chloro-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 106) 2-(2-Chloro-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 107) 2-Anthracene-9-yl-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*] pyrimidin-4-one;

(Compound 108) 2-(3,5-Dibromo-2-methoxy-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 109) 2-[5-(4-Bromo-phenyl)-furan-2-yl]-2,3,4a,5,6,7,8,9a-octahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 110) 2-(2,4-Dichlorophenoxy)-*N*-(4-oxo-2-propyl-5,6,7,8-tetrahydro-4*H*-benzo[4,5]thieno [2,3-*d*]pyrimidin-3-yl)-acetamide;

(Compound 111) 2-(3,4-Dimethoxy-benzoylamino)-4,5,6,7-tetrahydro-benzo[*b*]thio- phene-3-carboxylic acid ethyl ester;

(Compound 112) 2-[3-(2-Chloro-phenyl)-acryloylamino]-4,5,6,7-tetrahydro-benzo[*b*] thiophene-3-carboxylic acid ethyl ester;

(Compound 113) 3-(3-Ethoxycarbonyl-4,5,6,7-tetrahydro-benzo[b]thiophene-2-ylcarb-amoyl)-pyrazine-2-carboxylic acid;

(Compound 114) 2-(3-{2,2,2-Trichloro-1-[(furan-2-carbonyl)-amino]-ethyl}-thioureido)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 115) 2-(1-Methyl-2-phenyl-vinyl)-2,3,4a,5,6,7,8,9a-octahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 116) 2-(2-Methoxy-naphtalen-1-yl)-2,3,4a,5,6,7,8,9a-octahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 117) 2-(1,2-Dimethyl-1*H*-indol-3-yl)-2,3,4a,5,6,7,8,9a-octahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 118) 2-(Cyclohexanecarbonyl-amino)-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 119) 3-Bromo-benzoic acid 3-(4-oxo-1,2,3,4,5,6,7,8-octahydro-benzo[4,5]thieno[2,3-*d*]pyrimidin-2-yl)-phenyl ester;

(Compound 120) 3-Thioxo-2,3,5,6,7,8-hexahydro-1*H*-9-thia-1,2,3a,10-tetraaza-cyclopenta[*b*]fluorene-4-one;

(Compound 121) 2-(2,3-Dibromo-5-ethoxy-4-hydroxy-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 122) 2-[2-(4-Chloro-phenoxy)-acetylamino]-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 123) 4-Phenyl-5a,6,7,8,9,10a-hexahydro-4*H*-10-thia-1,2,3,4,10b-pentaaza-cyclopenta[*a*]fluoren-5-one;

(Compound 124) 6-Methyl-2-[(thiophene-2-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid amide;

(Compound 125) 3-Allyl-2-(2-oxo-2-thiophen-2-yl-ethylsulfanyl)-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 126) 2-[(2-Chloro-4-nitro-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 127) 2-(2-Methyl-3,5-dinitro-benzoylamino)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 128) 2-(4-Acetyl-benzoylamino)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 129) 2-Benzoylamino-7-hydroxyimino-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 130) 2-Formylamino-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 131) 5-Oxo-1,2,3,4,6,7,8,9-octahydro-5*H*-11-thia-5a,10-diaza-benzo[*b*]fluorene-9-carboxylic acid ethyl ester;

(Compound 132) 2-Benzoylamino-7-oxo-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;



(Compound 133) 2-(2-Phenylsulfanyl-acetylamino)-4,5,6,7-tetrahydro-benzo[b]thio-phene-3-carboxylic acid ethyl ester;

(Compound 134) 2-(4-Nitro-benzylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 135) 2-[2-(4-Ethyl-piperazin-1-yl)-acetylamino]-7-oxo-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 136) 2-Phenylsulfanyl-3,4,7,8,9,10-hexahydro-2*H*,6*H*-12-thia-5,11-diaza-cyclohepta[b]fluorene-1,5-dione;

(Compound 137) 7-Hydroxy-2-(4-nitro-benzoylamino)-4,5,6,7-tetrahydro-benzo[b] thio- phene-3-carboxylic acid ethyl ester;

(Compound 138) 2-(2-Cyclohexylamino-acetylamino)-7-oxo-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 139) 2-(2-Azepan-1-yl-acetylamino)-7-oxo-4,5,6,7-tetrahydro-benzo[b] thio- phene-3-carboxylic acid ethyl ester;

(Compound 140) 7-Hydroxyimino-2-pentanoylamino-4,5,6,7-tetrahydro-benzo[b] thio- phene-3-carboxylic acid ethyl ester;

(Compound 141) 2-(2-Morpholin-4-yl-acetylamino)-7-oxo-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 142) 2-Benzoyloxyimion-4,5,7,8,9,10,11-heptahydro-3*H*-1-thia-6a,12-diaza-cyclohepta[b]fluorene-6-one;

(Compound 143) 2-(3-Acetylsulfanyl-propionylamino)-4,5,6,7-tetrahydro-benzo[b] thio-phen-3-carboxylic acid ethyl ester;

(Compound 144) 2-[3-(3,4-Dichloro-phenyl-ureido)]-4,5,6,7-tetrahydro-benzo[b]thio- phen-3-carboxylic acid amide;

(Compound 145) 2-(2-Chloro-5-iodo-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thio-phen-3-carboxylic acid ethyl ester;

(Compound 146) 2-[(5-Benzyl-2-hydroxy-3-nitro-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 147) 2-[(Pyridine-3-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b] thiophene -3-carboxylic acid ethyl ester;

(Compound 148) 2-(3-Thiophen-2-yl-propionylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 149) 6-Methyl-2-(3-methyl-4-nitro-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 150) 2-Isopropyl-5,6,7,8-tetrahydro-3-oxa-9-thia-1-aza-fluor-4-one;

(Compound 151) 2-(2-Piperidin-1-yl-acetyl-amino)-4,5,6,7-tetrahydro-benzo[b]thio-phen-3-carboxylic acid amide;

(Compound 152) 3-Allyl-2-prop-2-ynylsulfanyl-5,6,7,8-tetrahydro-3*H*-benzo [4,5] thieno [2,3-*d*]pyrimidin-4-one;

(Compound 153) 2-(Trifluoromethyl)-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno[2,3-*d*] pyrimidin-4-one;

(Compound 154) 2-[2-(4-Methyl-piperazin-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 155) Furan-2-carboxylic acid-(3-phenylcarbamoyl-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl)-amide;

(Compound 156) 3-Phenyl-5,6,7,8-tetrahydro-3*H*-benzo [4,5] thieno [2,3-*d*]pyrimidin-4-one;

(Compound 157) 2-(4-Oxo-3-phenyl-3,4,5,6,7,8-hexahydro-benzo[4,5]thieno[2,3-*d*] pyrimidin-2-ylsulfanyl)-*N*-phenethyl-acetamide;

(Compound 158) 2-(3-Benzoylsulfanyl-acetylamino)-4,5,6,7-tetrahydro-benzo[*b*] -thiophene-3-carboxylic acid ethyl ester;

(Compound 159) 2-(5-Hydroxy-2-nitro-phenyl)-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5] thieno[2,3-*d*]pyrimidin-4-one;

(Compound 160) 2-[2-(2-Benzoylamino-2-carboxy-ethylsulfanyl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 161) 2-[(5-Bromo-2-hydroxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 162) 3-[(2,4-Dihydroxy-benzylidene)-amino]-2-methyl-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno[2,3-*d*]pyrimidin-4-one;

(Compound 163) *N*-(4-Oxo-2-pentyl-5-pentyl-5,6,7,8-tetrahydro-4*H*-benzo[4,5]thieno [2,3-*d*]pyrimidin-3-yl)-2-phenyl-acetamide;

(Compound 164) 2-[(2,3-Dihydro-benzo[1,4]dioxine-5-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 165) 2-[(3,5-Dichloro-4-methoxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 166) 2-Iodo-5-phenyl-2,3,4a,5,6,7,8,9,10-octahydro-1*H*-4,11-dithia-5,11*b*-diazabenzofluoren-6-one;

(Compound 167) 2-Benzoylamino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid;

(Compound 168) 2-(2,2,2-Trichloro-1-phenylacetyl-amino-ethyl-amino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 169) 2-(3-Furan-2-yl-acryloyl-amino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 170) 3-[(3-Bromo-4-hydroxy-5-methoxy-benzylidene)-amino]-2-methyl-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno [2,3-*d*]pyrimidin-4-one;

(Compound 171) 3-[(3-Chloro-4-hydroxy-5-methoxy-benzylidene)-amino]-2-methyl-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno [2,3-*d*]pyrimidin-4-one;

(Compound 172) 2-[3-(4-Chloro-2-methyl-phenoxy)-propionyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 173) 2-Amino-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 174) 7-Benzoyloxyimino-2-pyrrol-1-yl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 175) 2-(2-Formyl-pyrrol-1-yl)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid;

(Compound 176) 2-(5-Chloro-pentanoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 177) 3-Allyl-6-methyl-2-thioxo-2,3,5,6,7,8-hexahydro-1*H*-benzo[4,5]thieno [2,3-*d*]pyrimidin-4-one;

(Compound 178) (3-Allyl-6-methyl-4-oxo-3,4,5,6,7,8-hexahydro-benzo[4,5]thieno[2,3-*d*]pyrimidin-2-ylsulfanyl)-acetic acid;

(Compound 179) 2-[2-(4-Bromo-phenyl-2-oxo-ethylsulfanyl)]-6-methyl-3-phenyl-5,6,7,8-tetrahydro-3*H*-benzo [4,5] thieno [2,3-*d*]pyrimidin-4-one;

(Compound 180) 2-Amino-5-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 181) 2-(2-Bromo-benzoylamino)-7-oxo-4,5,6,7-tetrahydro-benzo[b]thio- phene-3-carboxylic acid ethyl ester;

(Compound 182) 2-(3-Methyl-benzyolamino)- 4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 183) 2-(4-Benzoyl-benzoylamino)- 4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 184) 2-[(2-Ethoxy-benzylidene)-amino]-4,5,6,7-tetrahydro-benzo[b]thio- phene-3-carboxylic acid amide;

(Compound 185) 2-[2-Amino-3-cyano-7,7-dimethyl-4-(3-nitro-phenyl)-5-oxo-4a,5,6,7,8,8a-hexahydro-4*H*-quinolin-1-yl]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 186) 2-[2-Amino-3-cyano-7,7-dimethyl-4-(4-chloro-phenyl)-5-oxo-4a,5,6,7,8,8a-hexahydro-4*H*-quinolin-1-yl]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 187) 2-[2-Amino-3-cyano-7,7-dimethyl-4-(4-ethyl-phenyl)-5-oxo-4a,5,6,7,8,8a-hexahydro-4*H*-quinolin-1-yl]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 188) 2-[2-Amino-3-cyano-7,7-dimethyl-4-(4-nitro-phenyl)-5-oxo-4a,5,6,7,8,8a-hexahydro-4*H*-quinolin-1-yl]-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid ethyl ester;

(Compound 189) (3-Allyl--4-oxo-3,4,5,6,7,8-hexahydro-benzo[4,5]thieno [2,3-*d*]pyrimidin-2-ylsulfanyl)-acetic acid methyl ester;

(Compound 190) 2-(2-Hydroxy-ethylsulfanyl)-5,6,7,8-tetrahydro-3*H*-benzo[4,5]thieno [2,3-*d*]pyrimidin-4-one;

(Compound 191) Thiophene-2-carboxylic acid 2-ethoxy-4-(4-oxo-3,4,5,6,7,8-hexahydro-benzo-[4,5]thieno-[2,3-*d*]pyrimidin-2-ylsulfanyl)-phenyl ester;

(Compound 192) 2-(2-Fluoro-benzoylamino)-6-methyl-4,5,6,7-tetrahydro-benzo[*b*] thiophene-3-carboxylic acid isopropyl ester;

(Compound 193) 3a,7a-Dihydro-benzo[1,3]dioxole-5-carboxylic acid (3-carbamoyl-5-methyl-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 194) 2-[(3a,7a-Dihydro-benzo[1,3]dioxole-5-carbonyl)-amino]-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 195) 2-[(3a,7a-Dihydro-benzo[1,3]dioxole-5-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 196) 6-Methyl-2-(3-phenyl-propionylamino)-4,5,6,7-tetrahydro-benzo[b] thiophene-3-carboxylic acid amide;

(Compound 197) 2-(2,4-Dichloro-benzoylamino)-6-Methyl-4,5,6,7-tetrahydro-benzo[b] thiophene-3-carboxylic acid isopropyl ester;

(Compound 198) 2-(4-Methoxy-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 199) Tetrahydro-fruan-2-carboxylic acid (3-carbamoyl-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl)-amide;

(Compound 200) 2-[2-(5-Methyl-3-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 201) 2-(4-Fluoro-benzenesulfonylamino)-4,5,6,7-tetrahydro-benzo[b]thio- phene-3-carboxylic acid amide;

(Compound 202) 6-*tert*-Butyl-2-(3-phenyl-3-phenylsulfanyl-propionylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 203) 2-[2-(3,5-Dimethyl-4-nitro-pyrazol-1-yl)-acetylamino]-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 204) 2-[2-(3,5-Dimethyl-4-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 205) 6-Methyl-2-(3,3-diphenyl-propionylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 206) 2-(3,5-Dimethoxy-benzoylamino)-6-(1,1-dimethyl-propyl)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 207) 6-*tert*-Butyl-2-[2-(5-methyl-3-trifluormethyl-pyrazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 208) 6-*tert*-Butyl-2-(3-phenyl-3-phenylsulfanyl-propionylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 209) 2-[2-(5-Methyl-3-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 210) 6-*tert*-Butyl-2-[2-(3-nitro-[1,2,4]triazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 211) 6-*tert*-Butyl-2-[2-(3,5-dimethyl-4-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 212) 6-Methyl-2-[2-(5-methyl-3-trifluoromethyl-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 213) 6-Methyl-2-[2-(5-methyl-3-trifluoromethyl-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;



(Compound 214) 6-*tert*-Butyl-2-[2-(5-methyl-3-trifluoromethyl-pyrazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 215) 6-*tert*-Butyl-2-[2-(3,5-dimethyl-4-nitro-pyrazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 216) 6-*tert*-Butyl-2-(3-carboxy-acryloylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 217) 6-*tert*-Butyl-2-(4-carboxy-butyrylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 218) 2-[(4-Iodo-2-methyl-2*H*-pyrazole-3-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 219) 2-[4-(4-Chloro-2-methyl-phenoxy)-butyrylamino]-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 220) 2-(2-Phenyl-2-phenylsulfanyl-acetyl-amino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 221) 2-[(5-Methyl-3-phenyl-isoxazole-4-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 222) 6-Methyl-2-[2-(3-nitro-[1,2,4]triazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 223) 6-Methyl-2-[2-(3-nitro-[1,2,4]triazol-1-yl)-acetyl-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 224) 2-Amino-6-*tert*-butyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 225) 2-Amino-6-*tert*-butyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 226) 6-Methyl-2-[2-(5-methyl-3-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 227) 2-[2-(3,5-Dimethyl-4-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 228) 2-[2-(3,5-Dimethyl-4-nitro-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 229) 2-[2-(5-Methyl-3-trifluoromethyl-pyrazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 230) 6-Methyl-2-[2-(3-nitro-[1,2,4]triazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 231) 2-[(2-Carboxy-cyclohexanecarbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 232) 2-(3-Carboxy-acryloylamino)-6-(1,1-dimethyl-propyl)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 233) 6-(1,1-Dimethyl-propyl)-2-[(5-methyl-furan-2-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 234) 6-Methyl-2-[(2-methyl-furan-3-carbonyl)-amino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid isopropyl ester;

(Compound 235) 2-(4-Chloro-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 236) 2-Benzoylamino-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 237) 2-(Cyclopropanecarbonyl-amino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 238) 2-[2-(4-Nitrophenyl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 239) 6-Methyl-2-[2-(3-nitro-[1,2,4]triazol-1-yl)-acetylamino]-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide;

(Compound 240) Furan-2-carboxylic acid [3-(2-hydroxy-ethylcarbamoyl)-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl]-amide;

(Compound 241) Cyclopropanecarboxylic acid (3-ethoxy-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl)-amide;

(Compound 242) *N*-(3-Ethoxy-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl)-acetamide;

(Compound 243) *N*-(3-Ethoxy-4,5,6,7-tetrahydro-benzo[b]thiophen-2-yl)-propionamide;

(Compound 244) *N*-(3-Ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-2-methyl-acrylamide;

(Compound 245) 3-Methyl-but-2-enoic acid (3-ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 246) But-2-enoic acid (3-ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 247) *N*-(3-ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-2,2-dimethyl-propionamide;

(Compound 248) Thiophene-2-carboxylic acid (3-ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 249) Furan-2-carboxylic acid (3-ethoxy-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl)-amide;

(Compound 250) 2-Acetyl-amino-4,5,6,7-tetrahydrobenzo[*b*]thiophene-3-carboxylic acid amide;

(Compound 251) 2-(2,2,-Dimethyl-propionylamino)-4,5,6,7-tetrahydrobenzo[*b*]thiophene-3-carboxylic acid amide;

(Compound 252) 2-(Cyclopropanecarbonyl-amino)-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carboxylic acid;

(Compound 253) Cyclopropanecarboxylic acid (3-cyano-4,5,6,7-tetrahydro-benzo[*b*]thiophen-2-yl) amide;

(Compound 254) 2-Amino-4,5,6,7-tetrahydro-benzo[*b*]thiophene-3-carbonitrile;

(Compound 255) 2-Isobutyrylamino-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 256) 2-Isobutyrylamino-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 257) 2-(Ethoxyoxalyl-amino)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 258) 2-Amino-4-methyl-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 259) 2-(Cyclopropanecarbonyl amino)-4-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid ethyl ester;

(Compound 260) Oxo-(4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-acetic acid;

(Compound 261) 2-Chloro-1-(4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-ethanone;

(Compound 262) 2-Hydrazino-1-(4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-ethanone;

(Compound 263) 2-(2-Methyl-acryloylamino)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 264) 2-[(Thiophene-2-carbonyl)-amino]-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 265) Furan-2-carboxylic acid (3-carbamoyl-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-amide;

(Compound 266) 2-(Cyclobutanecarbonyl-amino)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 267) 2-(2-Methyl-butyrylamino)- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 268) 2-(Cyclopropanecarbonyl-amino)-4-methyl-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 269) 6-*tert*-Butyl 2-(cyclopropanecarbonyl-amino)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 270) 2-(Cyclopropanecarbonyl-amino)-6-methyl-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 271) 2-(Cyclopropylmethyl-amino)- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 272) *N*-(3-Cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-acetamide;

(Compound 273) *N*-(3-Cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-benzamide;

(Compound 274) 5-Bromo-furan-2-carboxylic acid (3-cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)- amide;

(Compound 275) *N*-(3-Cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-2,2,2-trifluoro-acetamide;

(Compound 276) 2-[(Furan-2-ylmethylene)-amino]-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carbonitrile;

(Compound 277) *N*-(3-Cyano-6-methyl-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-acetamide;

(Compound 278) 2-[(Pyrazine-2-carbonyl)-amino]-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 279) 2-Isobutyrylamino- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid methyl ester;

(Compound 280) 6-Methyl-2-[(thiophene-2-carbonyl)-amino]- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid;

(Compound 281) 2-[(Thiophene-2-carbonyl)-amino]- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid;

(Compound 282) 2-(Cyclopropanecarbonyl-amino) 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid;

(Compound 283) 2-(Cyclohexanecarbonyl-amino) 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 284) 2-Acetylamino-6-methyl- 4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylic acid amide;

(Compound 285) 2-Amino-4,7-dihydro-5*H*-thieno[2,3-*c*]-thiopyran-3-carboxylic acid amide;

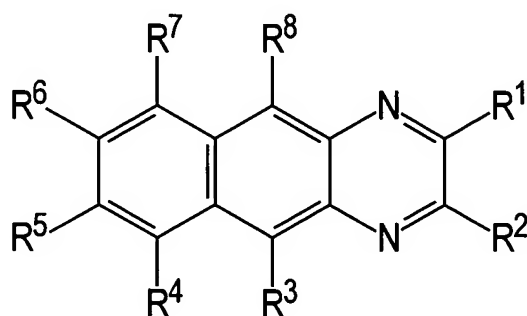
(Compound 286) 2-(Cyclopropanecarbonyl-amino)-4,7-dihydro-5*H*-thieno[2,3-*c*]-thiopyran-3-carboxylic acid amide; and

(Compound 287) 2-(Cyclopropanecarbonyl-amino)-6-oxo-4,5,6,7-tetrahydro-6λ<sup>4</sup>-thieno[2,3-*c*]thiopyran-3-carboxylic acid amide,  
in a pharmaceutically acceptable carrier.

16. A method of identifying compounds useful for the treatment of mycobacterial infections, said method comprising:
  - providing a mycobacterial serine/threonine protein kinase involved in mycobacterial virulence;
  - contacting said mycobacterium serine/threonine protein kinase with a test compound;
  - measuring the kinase activity of said mycobacterium serine/threonine protein kinase in the presence of said test compound, wherein inhibition of said kinase activity in the presence of said test compound indicates said test compound is useful for treating mycobacterial infections.
17. The method according to Claim 16, wherein said mycobacterial serine/threonine protein kinase is from *Mycobacterium tuberculosis*, *M. bovis*, *M. africanum*, *M. leprae*, *M. abscessus*, *M. avium*, *M. celatum*, *M. chelonae*, *M. fortuitum*, *M. genavense*, *M. gordonae*, *M. haemophilum*, *M. intracellulare*, *M. kansii*, *M. malmoense*, *M. marinum*, *M. scrofulaceum*, *M. simiae*, *M. szulgai*, *M. ulcerans* and/or *M. xenopi*.
18. The method according to Claim 17, wherein said mycobacterial serine/threonine protein kinase is selected from the group consisting of PknG, PknB, and PknH.

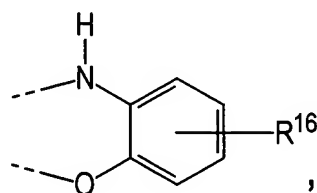
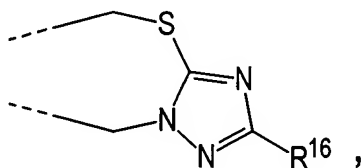
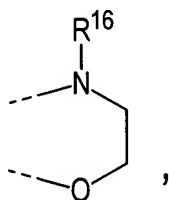


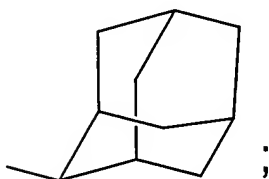
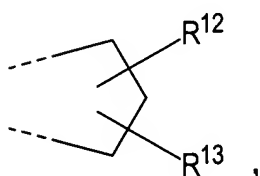
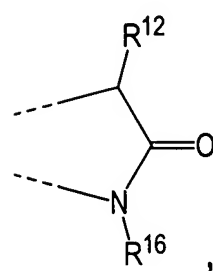
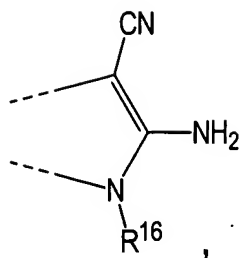
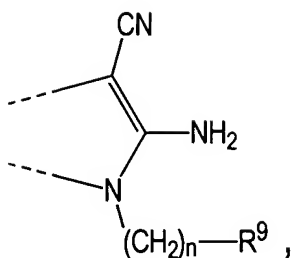
19. The method according to Claim 18, wherein said mycobacterial serine/threonine protein kinase is PknG.
20. The method according to Claim 18, wherein said mycobacterial serine/threonine protein kinase is PknB.
21. The method according to Claim 18, wherein said mycobacterial serine/threonine protein kinase is PknH.
22. A mycobacterial serine/threonine protein kinase inhibiting compound having the formula (II):



wherein:

$R^1$  and  $R^2$  are independently of each other  $-(CH_2)_p-NH-(CH_2)_n-R^9$ ,  
 $-(CH_2)_s-S-(CH_2)_m-R^{10}$ ,  $-(CH_2)_m-O-(CH_2)_p-R^{11}$ ,  $-(CH_2)_r-R^3$ ,  
 $-CH=CH-R^{11}$ ,  $-(CH_2)_m-CH(OH)-(CH_2)_p-R^{11}$ ,  $-(CH_2)_q-R^{11}$ ,  $-R^9$ ,  
 $-R^{10}$ ,  $-R^{12}$ ,  $-R^{13}$ ,



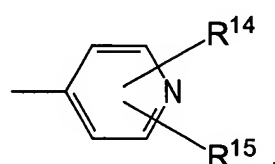
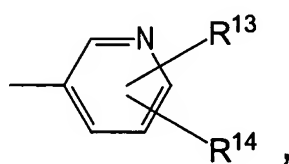
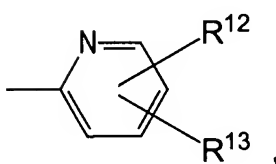
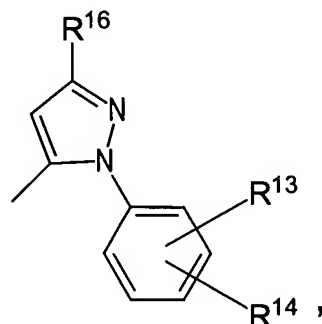
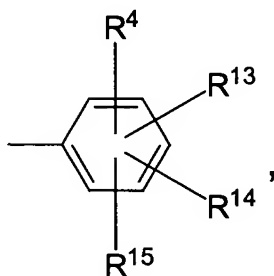
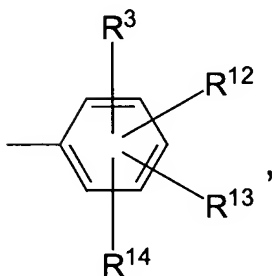
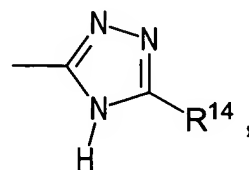
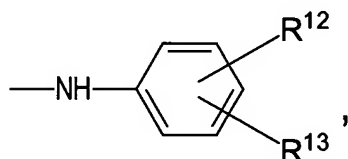


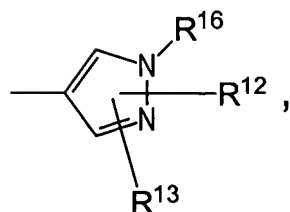
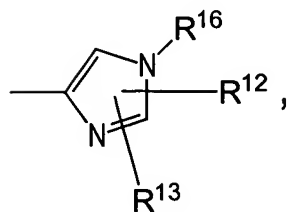
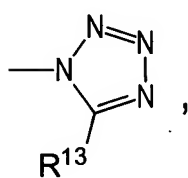
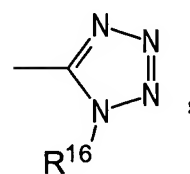
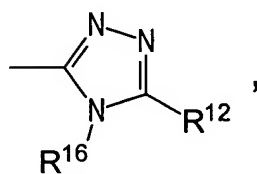
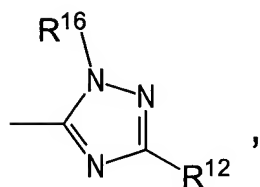
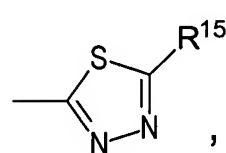
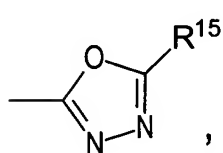
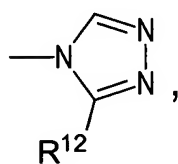
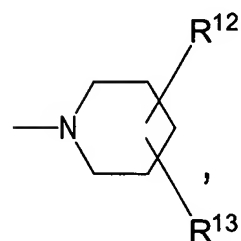
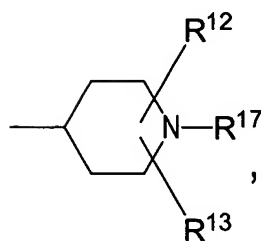
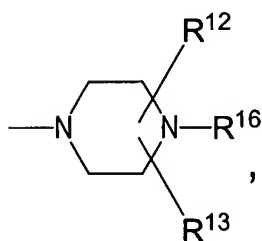
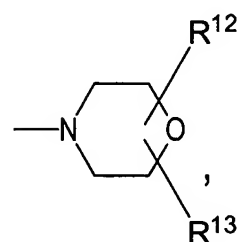
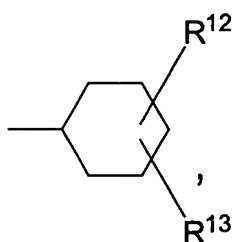
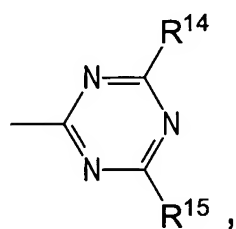
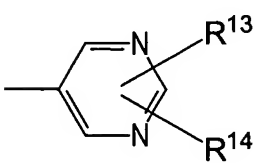
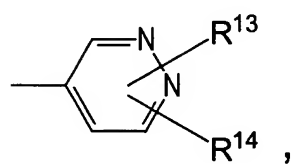
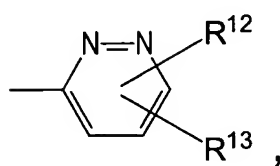
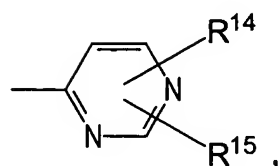
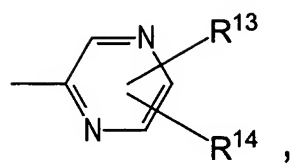
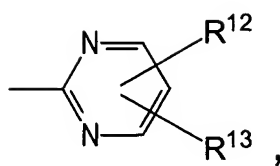
$R^3$ ,  $R^4$ ,  $R^5$ ,  $R^6$ ,  $R^7$ , and  $R^8$  are independently of each other  $-H$ ,  $-F$ ,  $-Cl$ ,  $-Br$ ,  $-I$ ,  $-SO_3H$ ,  $-SO_3NH_2$ ,  $-(CH_2)_s-COOR^{16}$ ,  $-(CH_2)_p-COOR^{17}$ ,  $-OR^{16}$ ,  $-SR^{16}$ ,  $-NR^{16}R^{17}$ ,  $-OOCR^{16}$ ,  $-OOCR^{17}$ ,  $-NH-CO-R^{16}$ ,  $-NH-CO-R^{17}$ ,  $-CO-NH-R^{16}$ ,  $-CO-NH-R^{17}$ ,  $-NO_2$ ,  $-N_3$ ,  $-CN$ ,  $-OCN$ ,  $-NCO$ ,  $-SCN$ ,  $-NCS$ ,  $-CO-R^{16}$ ,  $-CO-R^{17}$ ,  $-COCN$ ,  $-CONR^{16}R^{17}$ ,  $-SOR^{16}$ ,  $-SOR^{17}$ ,  $-SO_2R^{16}$ ,  $-SO_2R^{17}$ ,  $-SO_3R^{16}$ ,  $-SO_3R^{17}$ ,  $-OCF_3$ ;

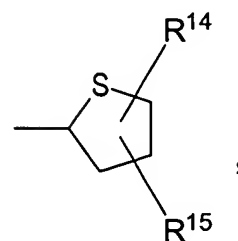
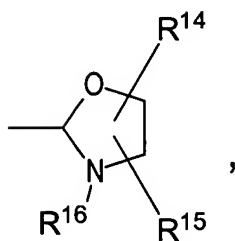
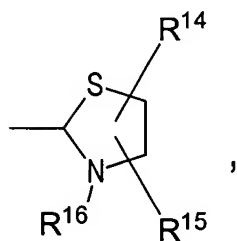
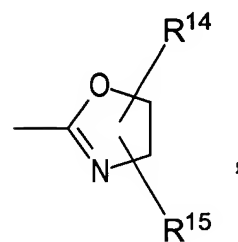
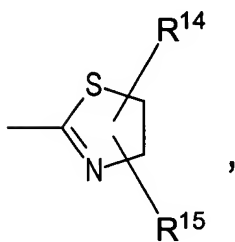
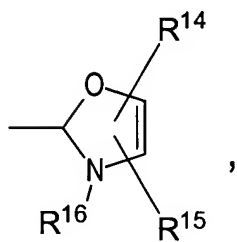
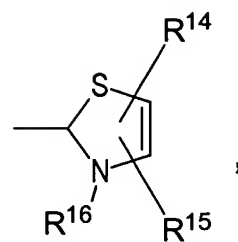
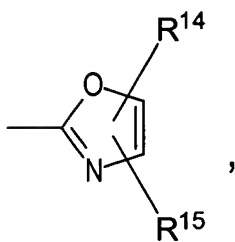
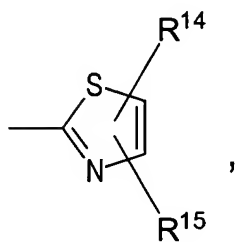
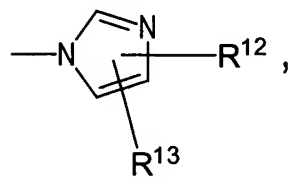
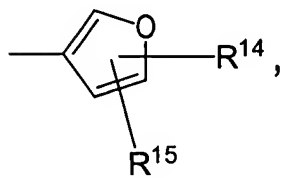
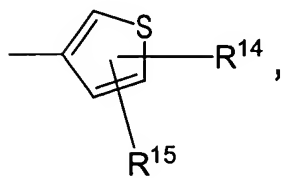
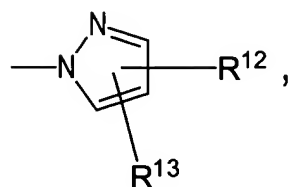
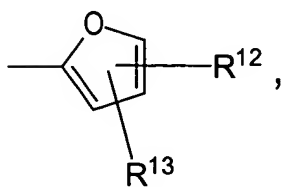
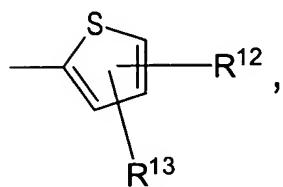
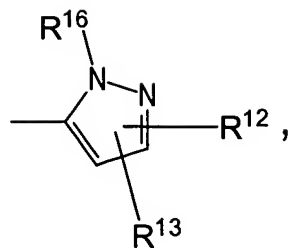
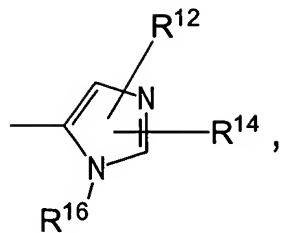
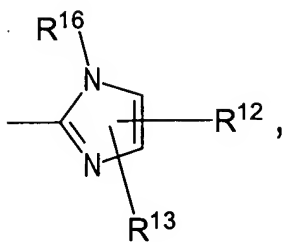
$R^9$ ,  $R^{10}$ , and  $R^{11}$  are independently of each other  $-CN$ ,  $-NR^{16}R^{17}$ ,

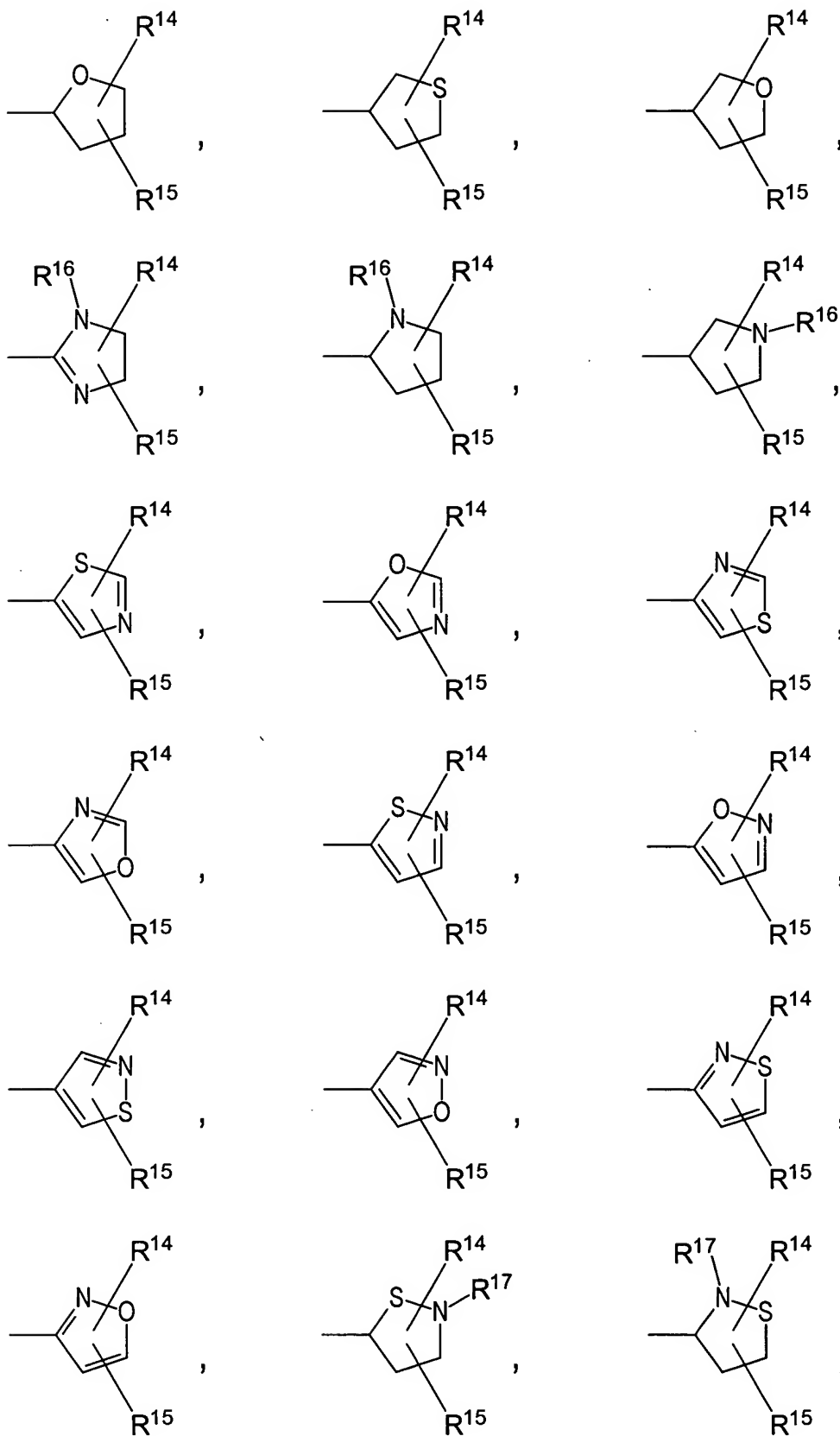
$-NHR^{16}$ ,

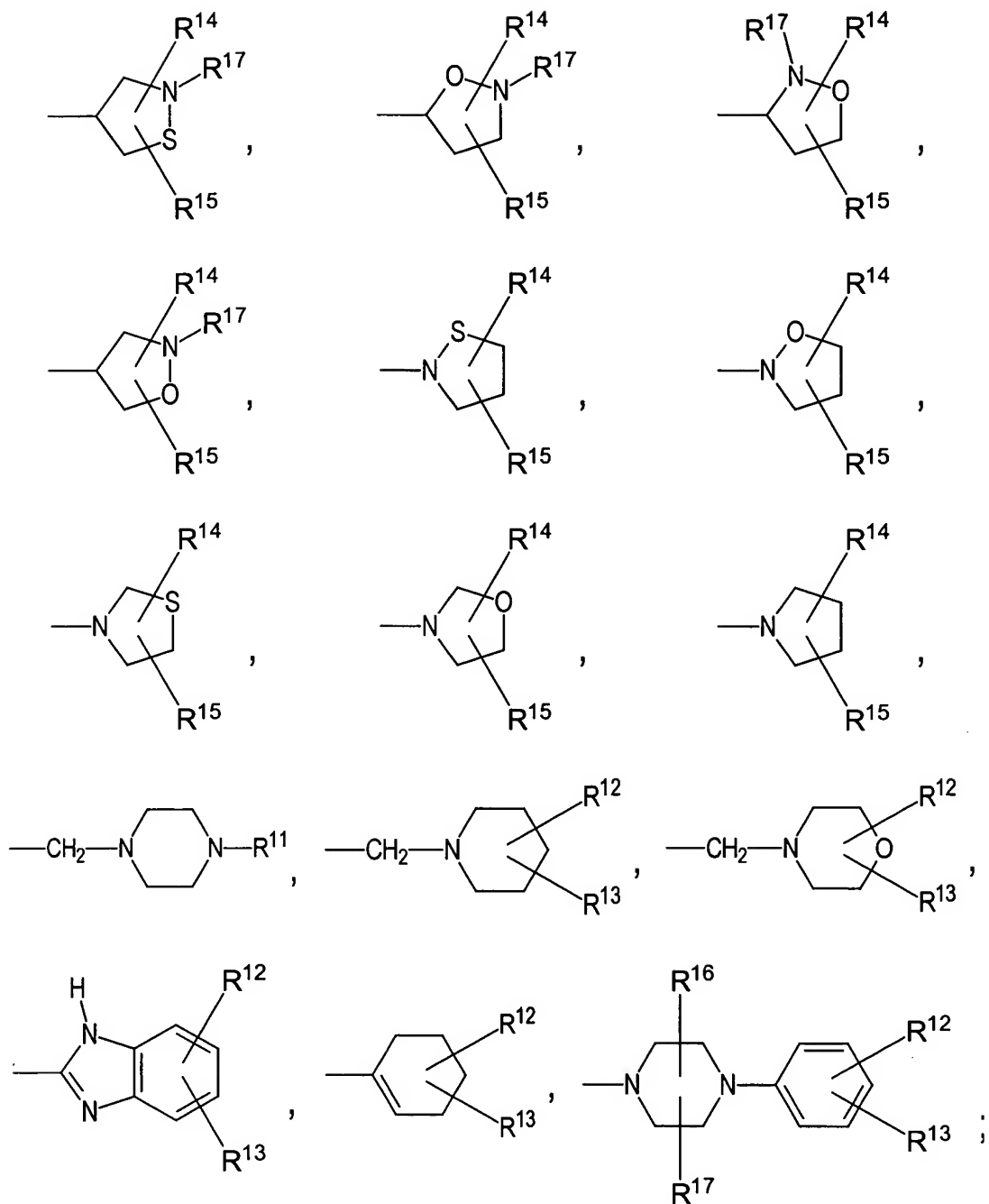
$-NHR^{17}$ ,



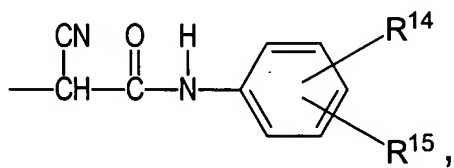
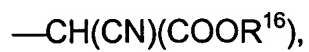




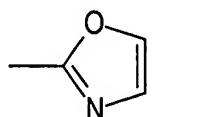
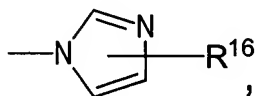
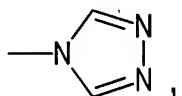
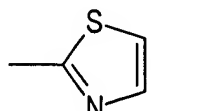
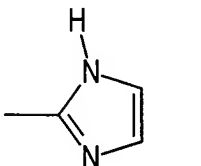
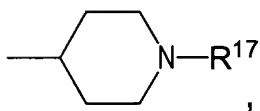
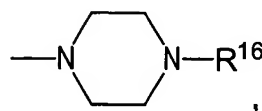
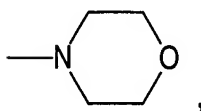
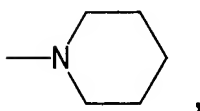
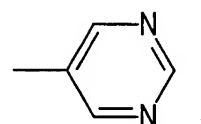
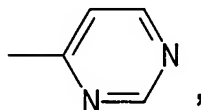
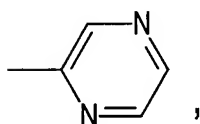
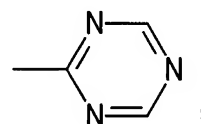
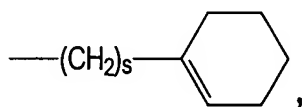
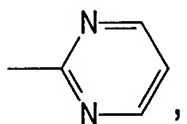
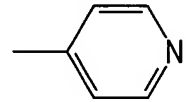
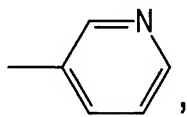
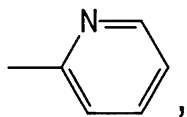




$R^{12}$ ,  $R^{13}$ ,  $R^{14}$ , and  $R^{15}$  are independently of each other  $-R^3$ ,  $-R^4$ ,  $-R^5$ ,  $-R^6$ ,  $-R^{16}$ ,  $-R^{17}$ ,



$R^{16}$  and  $R^{17}$  are independently of each other  $-H$ ,  $-CH_3$ ,  $-C_2H_5$ ,  $-C_3H_7$ ,  
 $-CH(CH_3)_2$ ,  $-C_4H_9$ ,  $-C_5H_{11}$ ,  $-C_6H_{13}$ ,  $-cyclo-C_6H_{11}$ ,  $-cyclo-C_5H_9$ ,  
 $-cyclo-C_4H_7$ ,  $-cyclo-C_3H_5$ ,  $-(CH_2)_r-CH(CH_3)_2$ ,  $-CH(CH_3)C_2H_5$ ,  $-C(CH_3)_3$ ,  
 $-CH=CH_2$ ,  $-CH_2-CH=CH_2$ ,  $-Ph$ ,  $-CH_2Ph$ ,  $-C_2H_4Ph$ ,  $-CH(CN)_2$ ,  $-CF_3$ ,  
 $-CCl_3$ ,  $-CBr_3$ ,  $-C_2F_5$ ,  $-(CH_2)_r-OH$ ,  $-CH_2F$ ,  $-CH_2Cl$ ,  $-CH_2Br$ ,  $-CH_2I$ ,  
 $-CHF_2$ ,  $-CHCl_2$ ,  $-CHBr_2$ ,  $-(CH_2)_r-SH$ ,  $-C_6H_4-CH_3$ ,  $-C_6H_3(CH_3)_2$ ,



$m$ ,  $n$ ,  $p$ ,  $q$ ,  $s$  are independently of each other integer from 0 – 6,

$r$  is an integer from 1 – 6,

and the corresponding N-oxides in position 1 and/or 4 of these compounds; and the corresponding reduced forms of these compounds wherein the double bond in position 1 and/or 3 is hydrogenated; and pharmaceutically acceptable salts of these compounds.

23. A method for treating mycobacterial infections comprising: administering to a subject in need of such treatment a composition comprising a compound according to Claim 22.